

Service Manual

Colour LCD Television

TX-L42U10E



GLP24 Chassis

Specifications

Power Source:	220-240V AC, 50Hz	
Power Consumption	180W	
Stand-by Power Consumption:	0.45W (Without monitor out recording) 14W (With monitor out recording)	
Aerial Impedance:	75Ω unbalanced, Coaxial Type	
Receiving System:	PAL-I/H, B/G, D/K SECAM B/G, D/K, L/L' PAL-525/60 (AV only) DVB-T (Digital terrestrial services) DVB-C (Digital cable services) M. NTSC (AV only) NTSC (AV only)	
Receiving Channels:	VHF E2-E12 VHF A-H (ITALY) VHF R3-R5 UHF E21-E69 CATV S1-S10 (M1-M10) CATV S21-S41 (Hyperband)	VHF H1-H2 (ITALY) VHF R1-R2 VHF R6-R12 CATV (S01-S05) CATV S11-S20 (U1-U10)
Operating Conditions:	Temperature: 0°C ÷ 35°C Humidity: 20% ÷ 80% RH (non condensing)	

Intermediate Frequency:**Video/Audio**

Video 38.9MHz, 33.9MHz
Audio 33.4MHz (B/G), 33.16MHz (A2)
33.05MHz (NICAM B/G, D/K, L')
32.4MHz (D/K), 32.66MHz (CZ STEREO)
40.4MHz (L'), 39.75MHz (L' NICAM)

Colour 34.47MHz (PAL)
34.5MHz, 34.65MHz (SECAM)
38.3MHz, 38.15MHz (SECAM L')

Terminals:

AV1 IN Video (21 pin) 1V p-p 75 Ω
Audio (21 pin) 500mV rms 10k Ω
RGB (21 pin) 0.7V p-p 75 Ω

AV1 OUT Video (21 pin) 1V p-p 75 Ω
Audio (21 pin) 500mV rms 1k Ω

AV2 IN Video (21 pin) 1V p-p 75 Ω
Audio (21 pin) 500mV rms 10k Ω
RGB (21 pin) 0.7V p-p 75 Ω $\checkmark$
S-video IN (21-pin)Y: 1V p-p 75 Ω
C:0.3V p-p 75 Ω

AV2 OUT Video (21 pin) 1V p-p 75 Ω
Audio (21 pin) 500mV rms 1k Ω

AV3 IN S-Video IN (4-pin)Y: 1V p-p 75 Ω
C:0.286V p-p 75 Ω
Audio (RCAX2) 500mV rms 10k Ω
Video (RCAX1) 1V p-p 75 Ω

HDMI1, HDMI2 Type A Connector

COMPONENT Video (RCAX3) Y:1V p-p 75 Ω (including synchronization)
Pb, Pr: $\pm$ 0.35V p-p 75 Ω

AUDIO IN Audio (RCAX2) 500mV rms 10k Ω (used for HDMI1, COMPONENT-AUDIO)

AUDIO OUT Audio (RCAX2) 500mV rms 1k Ω (high Impedance)

DIGITAL AUDIO OUT PCM / Dolby Digital / DTS , Fiber optic

CARD SLOT SD CARD slot $\times$ 1

LCD screen: L5EDDAT00001
1920 x 1080 XGA, 16:9
Visible Diagonal 1060mm

Audio Output: 20W (2x10W), 10% THD

Headphones: 3.5mm (M3), 8 Ω Impedance

Accessories supplied : Remote Control 2 x R6 (UM3) Batteries

Dimensions:

	Height:	Width:	Depth:
Including TV stand	679mm	1021mm	310mm

TV set only	636mm	1021mm	109mm
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Net weight:

Including TV stand	21.0kg
TV set only	18.5kg

Specifications are subject to change without notice.
Weights and dimensions shown are approximate.

 Warning

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products deal within this service information by anyone else could result in serious injury or death.

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Safety Precautions

General Guide Lines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following touch current checks to prevent the customer from being exposed to shock hazards.
4. Always ensure panel TKP0E16001 is correctly replaced before returning to customer (see Fig.1).

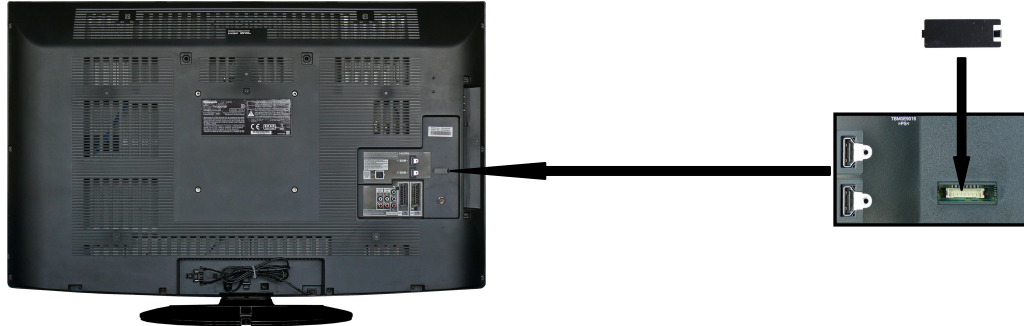
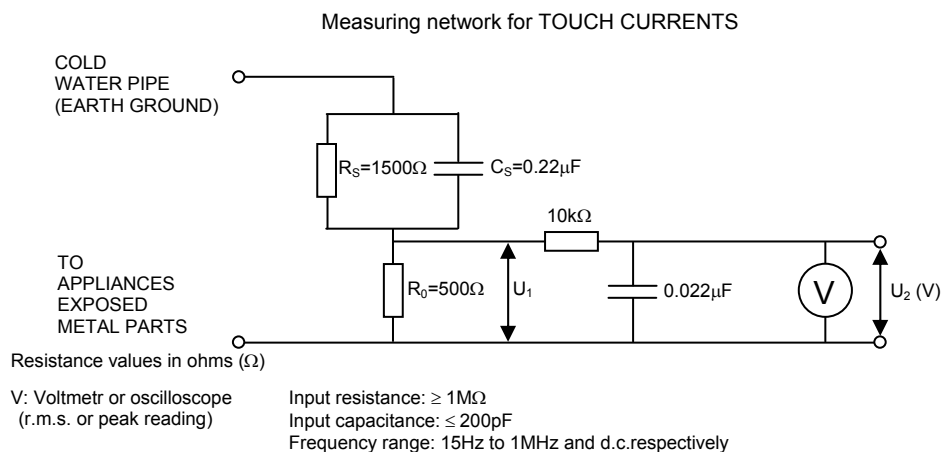


Fig. 1

Touch-Current Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a measuring network for touch currents between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Fig. 2.
3. Use Leakage Current Tester (Simpson 228 or equivalent) to measure the potential across the measuring network.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reserve the AC plug in the AC outlet and repeat each of the above measure.
6. The potential at any point (TOUCH CURRENT) expressed as voltage U_1 and U_2 , does not exceed the following values:
For a. c.: $U_1 = 35 \text{ V}$ (peak) and $U_2 = 0.35 \text{ V}$ (peak);
For d. c.: $U_1 = 1.0 \text{ V}$,
Note:
The limit value of $U_2 = 0.35 \text{ V}$ (peak) for a. c. and $U_1 = 1.0 \text{ V}$ for d. c. correspond to the values 0.7 mA (peak) a. c. and 2.0 mA d. c.
The limit value $U_1 = 35 \text{ V}$ (peak) for a. c. correspond to the value 70 mA (peak) a. c. for frequencies greater than 100 kHz .
7. In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.



NOTE – Appropriate measures should be taken to obtain the correct value in case of non-sinusoidal waveforms

Fig. 2

Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge build up or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
Caution
Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in schematic diagrams, exploded views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

PCBs manufactured using lead free solder will have the PbF within a leaf Symbol

 stamped on the back of PCB.

Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40°C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see Fig.3)

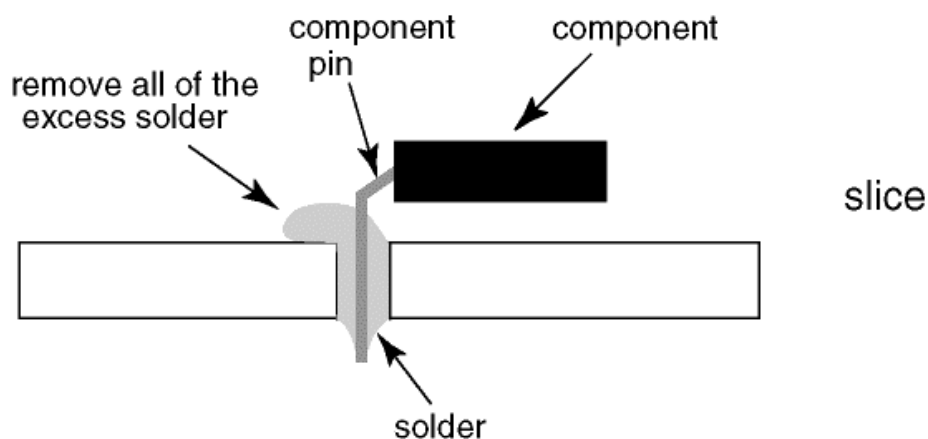


Fig.3

Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used. (see Fig.4)

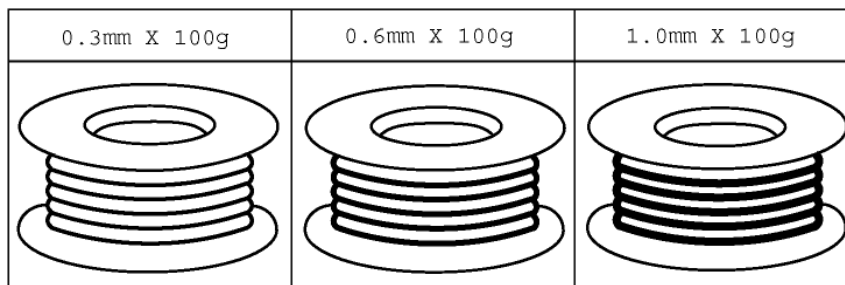


Fig.4

Applicable Signals

Component (Y, Pb, Pr), HDMI

Signal name	COMPONENT	HDMI
525 (480) / 60i	*	*
525 (480) / 60p	*	*
625 (576) / 50i	*	*
625 (576) / 50p	*	*
750 (720) / 60p	*	*
750 (720) / 50p	*	*
1,125 (1,080) / 60i	*	*
1,125 (1,080) / 50i	*	*
1,125 (1,080) / 60p	*	*
1,125 (1,080) / 50p	*	*
1,125 (1,080) / 24p	*	*

PC (from HDMI terminal)

Applicable input signal for PC is basically compatible to HDMI standard timing.

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 480 @60 Hz	31.47	60.00
750 (720) / 60p	45.00	60.00
1,125 (1,080) / 60p	67.50	60.00

Note:

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.
- PC signal is magnified or compressed for display, so that it may not be possible to show fine detail with sufficient clarity.

Service Hints

How to remove the backcover

Remove the 17 fixing screws. (see Fig.5)

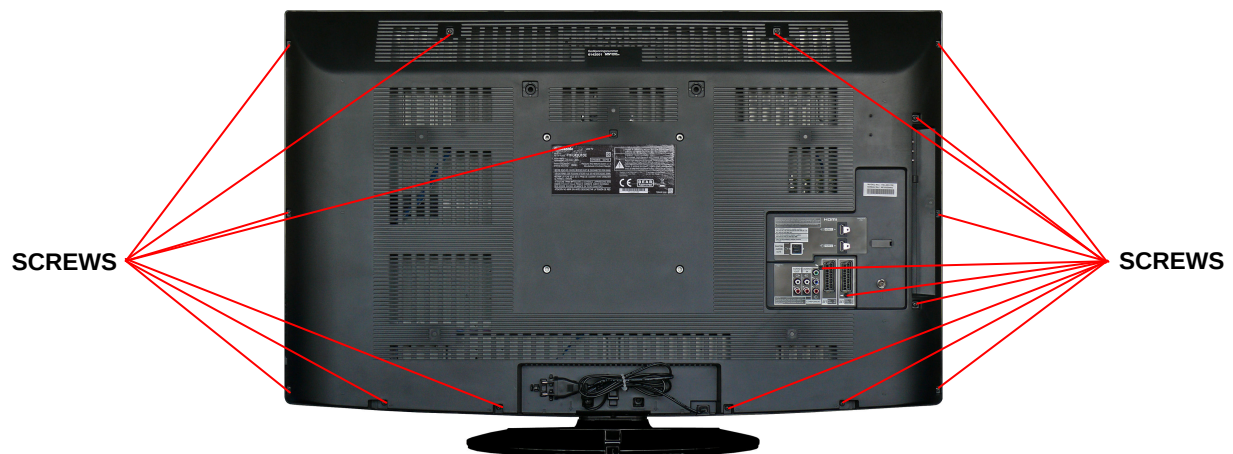


Fig.5

How to remove the Pedestal assembly

Lay the main unit face down. (see Fig.6)



Fig.6

Remove the 4 fixing screws and the pedestal assembly. (see Fig.7)

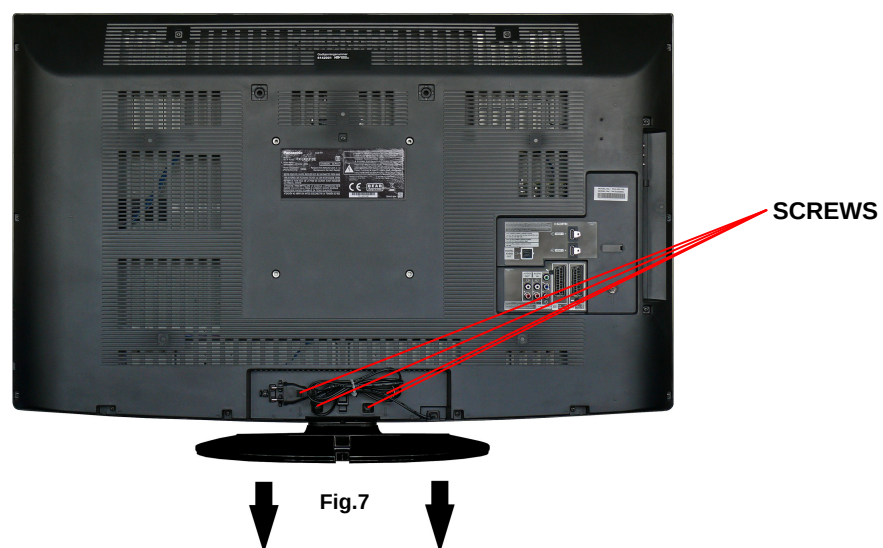
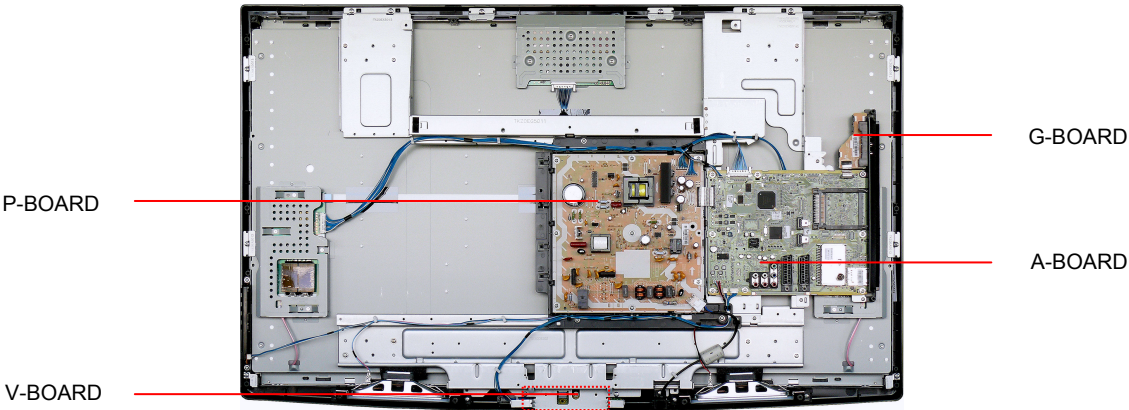


Fig.7

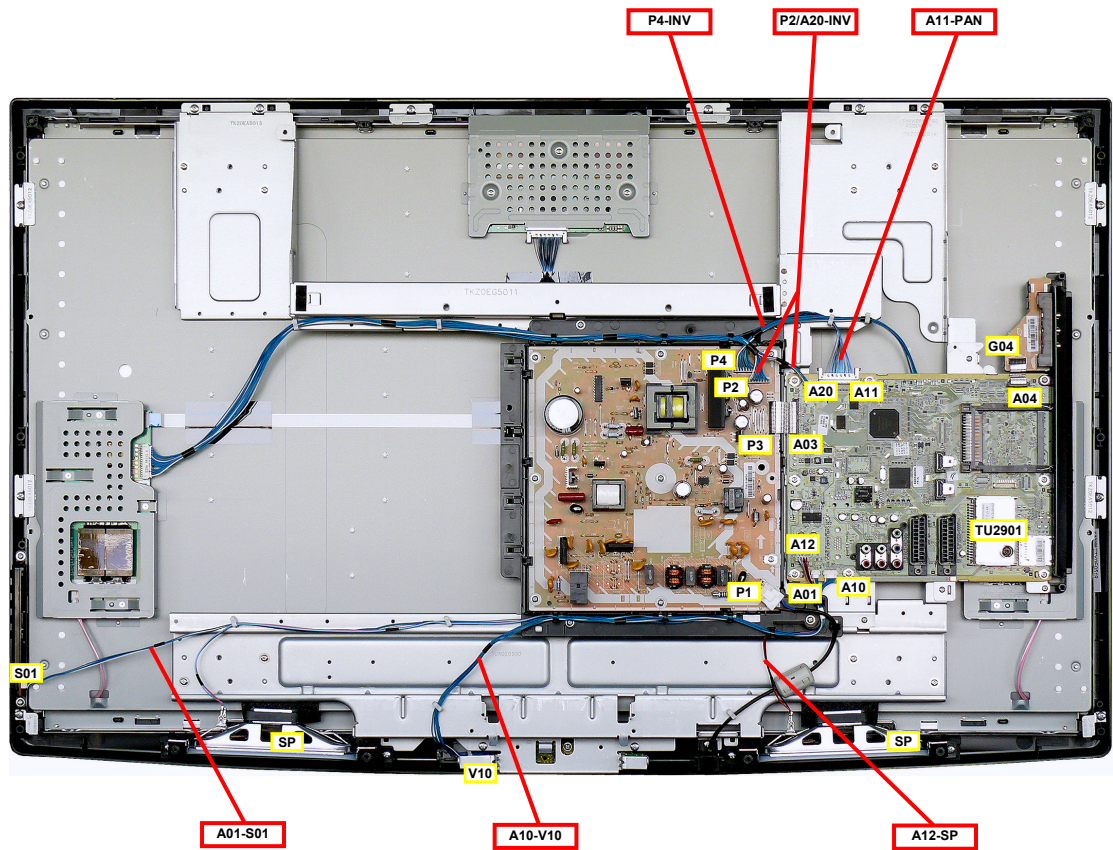
Chassis Board Layout



Board Name	Function
A-Board	Tuner, AVSW, Peaks-AVC, HDMI, CI Slot, Global Core, GENX, AV Terminal, SD Slot, Speaker out, ADV
P-Board	Power Supply, Main Input
V-Board	Remote Receiver, Cats, R/G LED, Timer LED
G-Board	Side AV Connector

Location of Lead Wiring

To find the Part Number of required wire in Replacement Parts List click on the wire name in red box.



Setting Inspection

Voltage Confirmation

Confirm the following voltages:

A board	TP No.	Voltage
5VS	TP2765	5.6V +/- 0.25V
SUB_TNR_6V	TP2770	5.6V +/- 0.25V
GND	TP2781	0
TV_SOS	TP5481	0
INVERTER_SOS	TP2761	0
P17V	TP2777	16V +/- 1V
SUB_F_12V	TP2782	12V +/- 1V
INV_ON	TP2759	2.85V +/- 2%
P board	TP No.	Voltage
24V	TP805	24V +/- 1V
17V	TP813	16V +/- 1V
DTV_12V	TP808	12V +/- 1V
TUNER6V / 5VS	TP806	5.6V +/- 0.5V
400V	TP801	395 +/- 20V

Self Check

Self-check is used to automatically check the bus lines and hexadecimal code of the TV set. To enter Self-Check mode, keep pressing the down **(-V)** button on the TV set and press the **STATUS**  button on the remote control. To exit Self Check, switch off the TV set at the power button.

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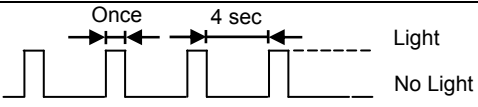
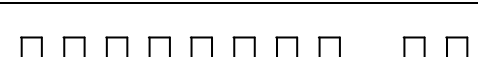
42FHD Panasonic 2009LCD Self Check Complete			
ADV	O.K.	PEAKS-SOFT	1.209
ADAV	O.K.	PEAKS-EEP	01.00.0004
TUN	O.K.	GenX-SOFT	1.00.00
GENX	O.K.	GenX-EEP	1.03.36
MEM1	O.K.	GenX-ROMCORR	1.00.00
MEM2	O.K.		
AVSW	O.K.		
OFDM	O.K.		
VIF	O.K.		
		SUM	796E
		MODEL ID	06 03353100 00000020
		EDID	22 1b0bfb--

Display	Ref. No.	Description	P.C.B.
ADV	IC4510	A/D CONVERTER	A-Board
ADAV	IC4510	A/D CONVERTER	A-Board
TUN	TU2901	TUNER	A-Board
GENX	IC1100	MICROPROCESSOR	A-Board
MEM1	IC1101	EEPROM (GENX)	A-Board
MEM2	IC8502	EEPROM (PEAKS AVC)	A-Board
AVSW	IC3001	AUDIO VIDEO SWITCH	A-Board
COFDM	IC8301	COFDM DEMODULATOR	A-Board
VIF	TU2901	TUNER	A-Board

If the CCU ports have been checked and found to be incorrect or not located then " - - " will appear in place of "O.K.".

Power LED blinking timing chart

1. Subject
Information of LED Flashing timing chart.
2. Contents
When abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by number of blinking of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents	Check point
1		INVERTER_SOS	LCD PANEL A BOARD
2		FAN_SOS	A BOARD
3		SOS	A BOARD
4		SUB_F_12V	A BOARD
5		MAIN9V	A BOARD
6		SUB5V	A BOARD V BOARD
7		SUB3.3V	A BOARD
8		MAIN3.3V	A BOARD
9		SOUND_SOS	A BOARD
13		EMERGENCY SOS	A BOARD

Service Mode Function

MPU controls the functions switching for each IICs through IIC bus in this chassis. The following setting and adjustment can be adjusted by remote control in Service Menu

How to enter SERVICE

While pressing **(-I/V)** button on TV unit, press **0** on the remote control for 3 times within 2 seconds.

Note:

To exit from Service mode, press the exit button on remote control.

SERVICE

SERVICE	Peaks SOFT	1.209	OPTION 1	1c
ADJUST	Peaks EEP	01.00.0004	OPTION 2	ef
WB-ADJ	LSI DATA	0.00.03	OPTION 3	01
OPTION	STBY SOFT	1.00.00	Model ID	06
SRV-TOOL	STBY EEP	1.03.36		03353100
	STBY ROMCOR	1.00.00		00000020
			RB Cnt	000
			INV Cnt	0000

Key Command

- Press the **3/4** button to change the adjustment values or function.
- Press the **1/2** button to step up/down through the functions and adjustments
- Press the numerical button **VOLUME (+/-)** to change option item.
- Press the **OK** button after each adjustment has been made to store the required values.



Option Bytes Description

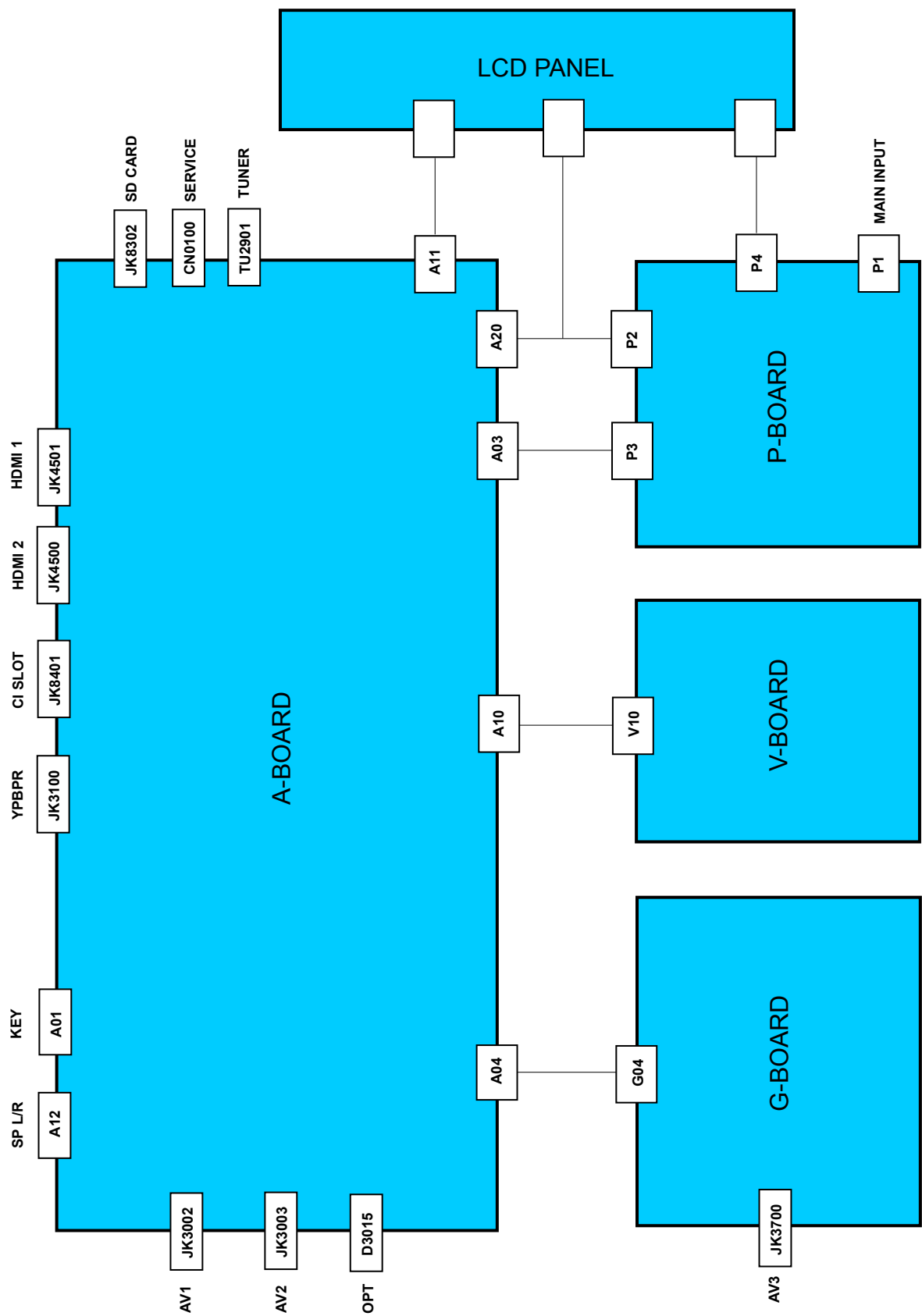
OPTION1			
	b0	ATP Search Speed	Slow (1) / Fast (0)
	b1	TXT Ch Refresh	On (1) / Off (0)
	b2	ID-1	On (1) / Off (0)
	b3	Macrovision Auto-Judge	On (1) / Off (0)
	b4	Surround enable low bit (*1)	On (1) / Off (0)
	b5	Surround enable low bit (*1)	On (1) / Off (0)
	b6	Pre Emphasis	On (1) / Off (0)
	b7	TINT_COMPONENT_HDMI	On (1) / Off (0)
OPTION2			
	b0	Adjust lgain enable	On (1) / Off (0)
	b1	A2 BC enable (5.5)	On (1) / Off (0)
	b2	A2 DK1 enable (6.26)	On (1) / Off (0)
	b3	A2 DK3 enable (5.742)	On (1) / Off (0)
	b4	NICAM scan	On (1) / Off (0)
	b5	NICAM enable (5.5)	On (1) / Off (0)
	b6	NICAM enable (6.0)	On (1) / Off (0)
	b7	NICAM enable (6.5)	On (1) / Off (0)
OPTION3			
	b0	NICAM priority (ASIA/M.E)	On (1) / Off (0)
	b1	NICAM priority (K/UK)	On (1) / Off (0)
	b2	NICAM priority (China)	On (1) / Off (0)
	b3	NICAM priority (NZ/INDN)	On (1) / Off (0)
	b4	NICAM priority (AUS)	On (1) / Off (0)
	b5	NICAM priority (E.Europe)	On (1) / Off (0)
	b6	NICAM priority (Special)	On (1) / Off (0)
	b7	SASO mute	Not use
OPTION4			
	b0	All country DVB-S enable	On (1) / Off (0)
	b1	All country DVB-C enable	On (1) / Off (0)

Adjustment Method

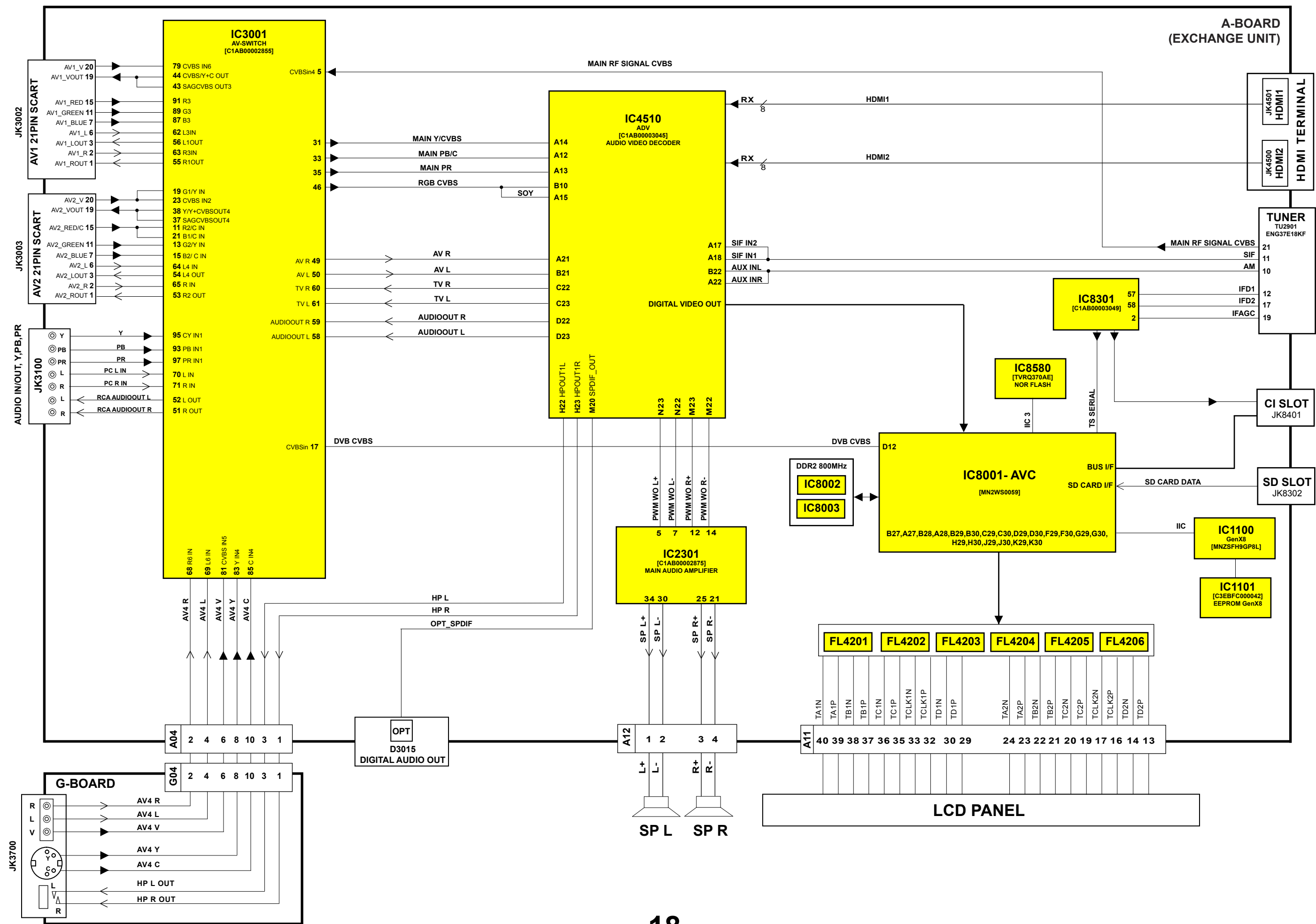
Sub-Contrast/White Balance Adjustment

Instrument Name	Connect to	Remarks
1. Remote controller 2. LCD WB meter (Minolta CS-1000A equivalent) 3. Communication jig 4. Computer for external control		Correlation can be also taken by CA-210 or equivalent
Procedure		Remarks
Subcontrast adjustment 1. Receive PAL colour bar (100% white) RF signal. 2. Enter "Contrast" adj. In SERVICE mode. 3. Start adjusting by using Yellow Key. 4. If the adjustment finished normally, the letter of Contrast will change from red to black White Balance adjustment 1. Procedure basically performs checking using the production software and make automatic adjustment using external computer. 2. It adjusts in the mode of : Colour balance Normal as follows. Viewing Mode Dynamic WHITE Normal x: $0.2870 \pm 0,010$ y: $0.2980 \pm 0,010$ GRAY Normal x: $0.2830 \pm 0,010$ y: $0.3040 \pm 0,010$		Let the panel standfor more than 3 hours at more than 20 °C. Basically perform adjustment in the ambient environment of room temperature more than 20 °C. The aging time is more than20 min at above room temperature. Applied signal 100% full colour bar 0.7V p-p white peak 87.5% modulation 100% WHITE 50% GRAY

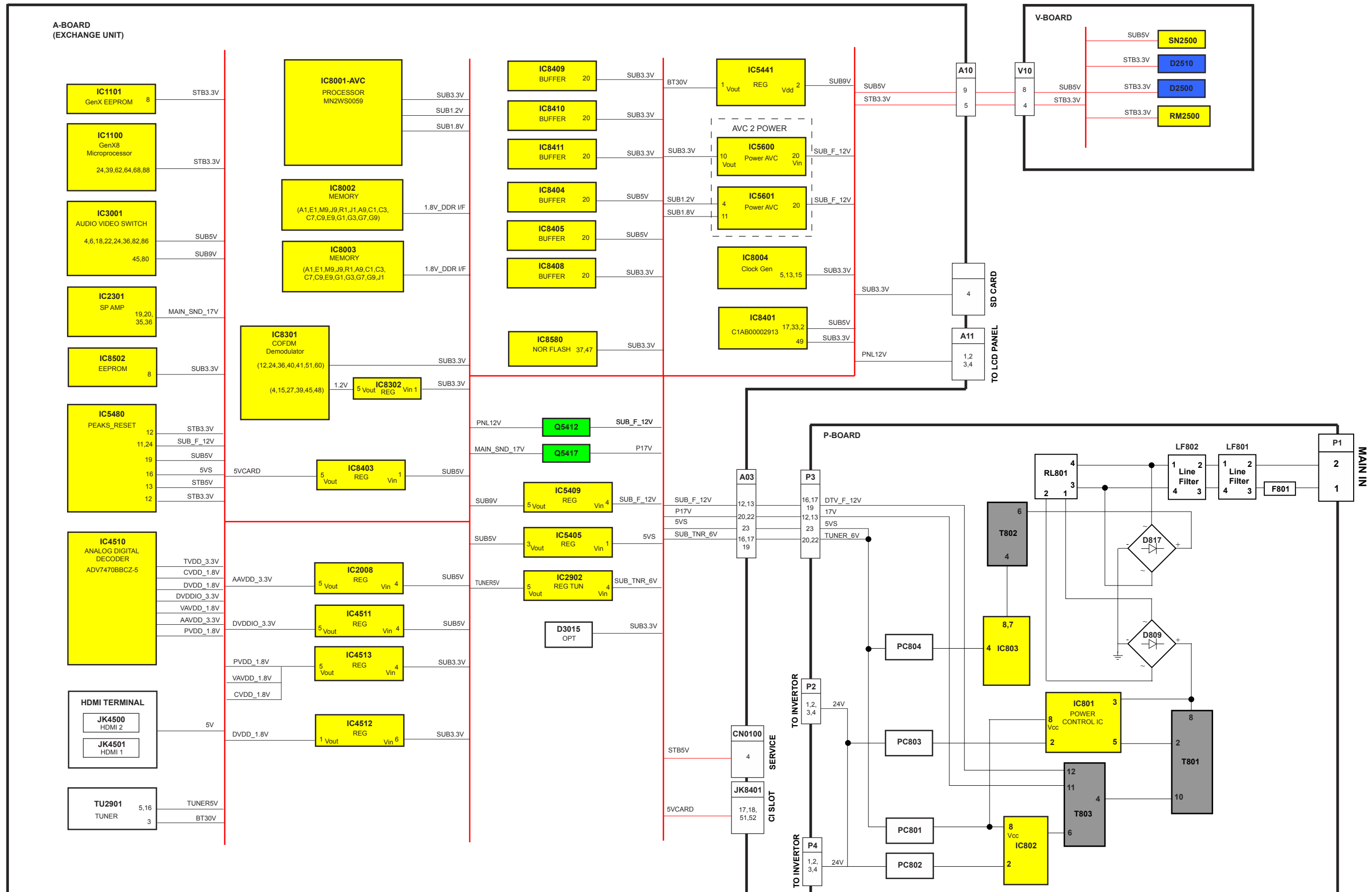
Wiring Diagram



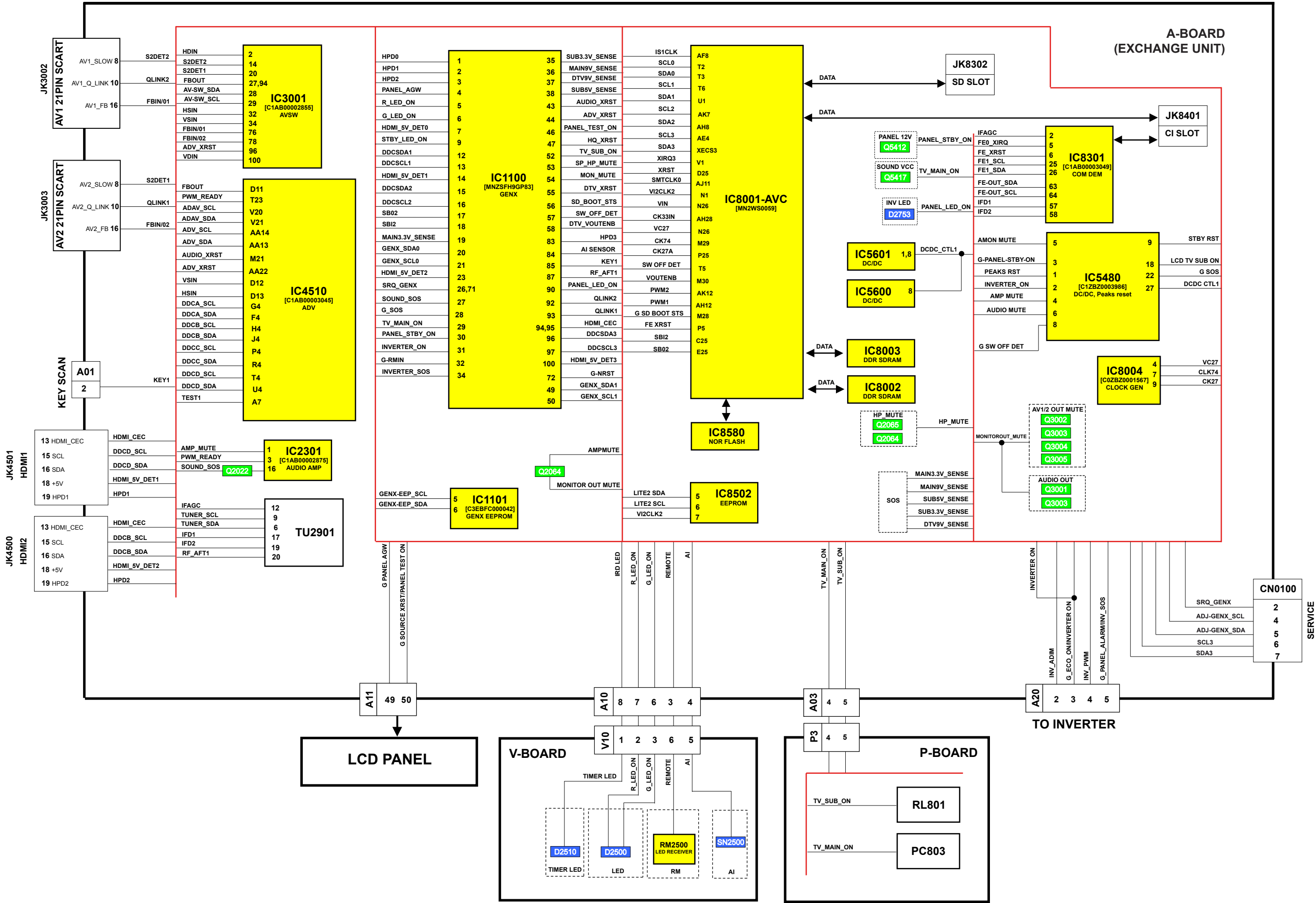
Video & Stereo Audio Block Diagram



Power Supply Block Diagram

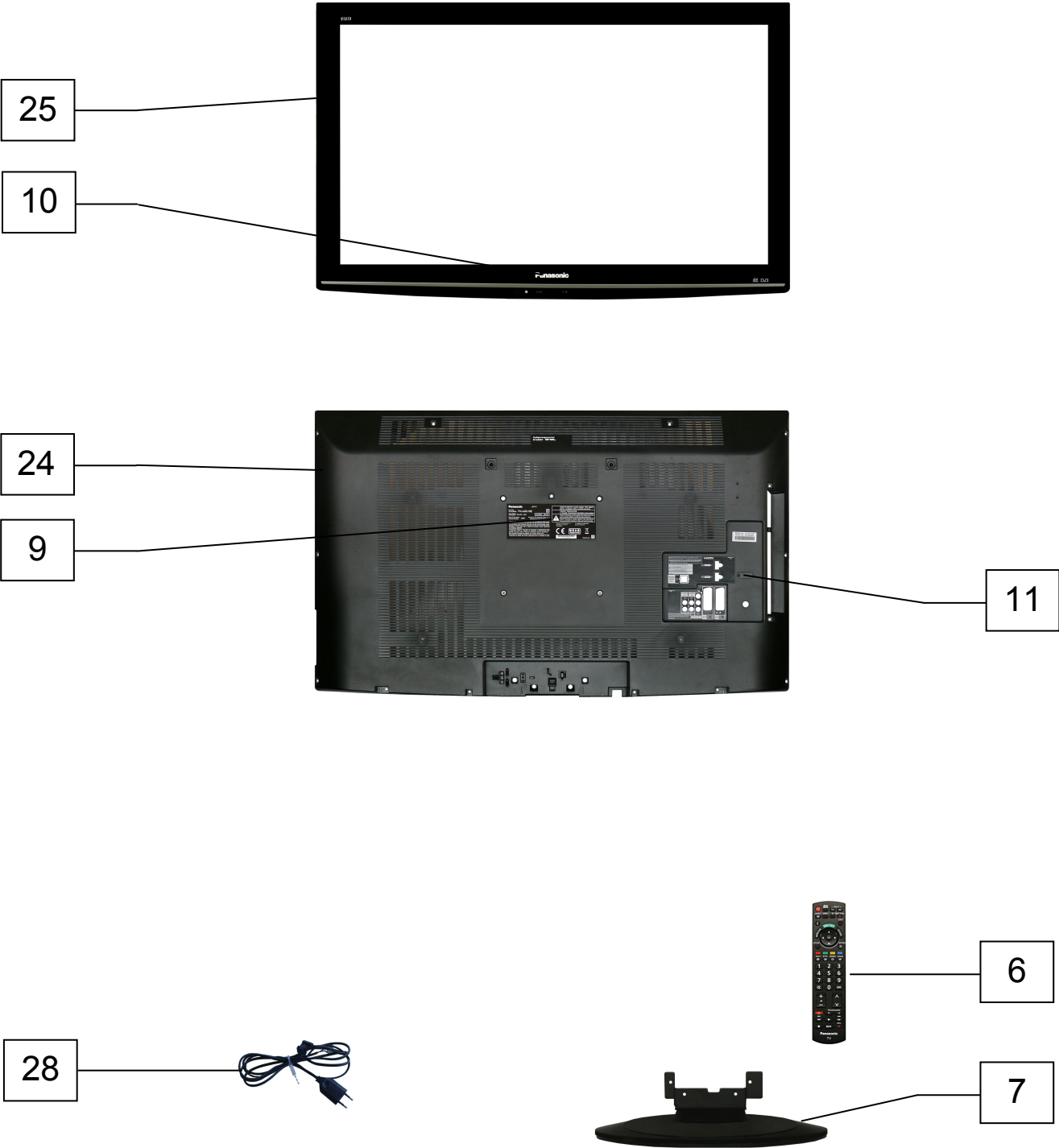


Control Block Diagram



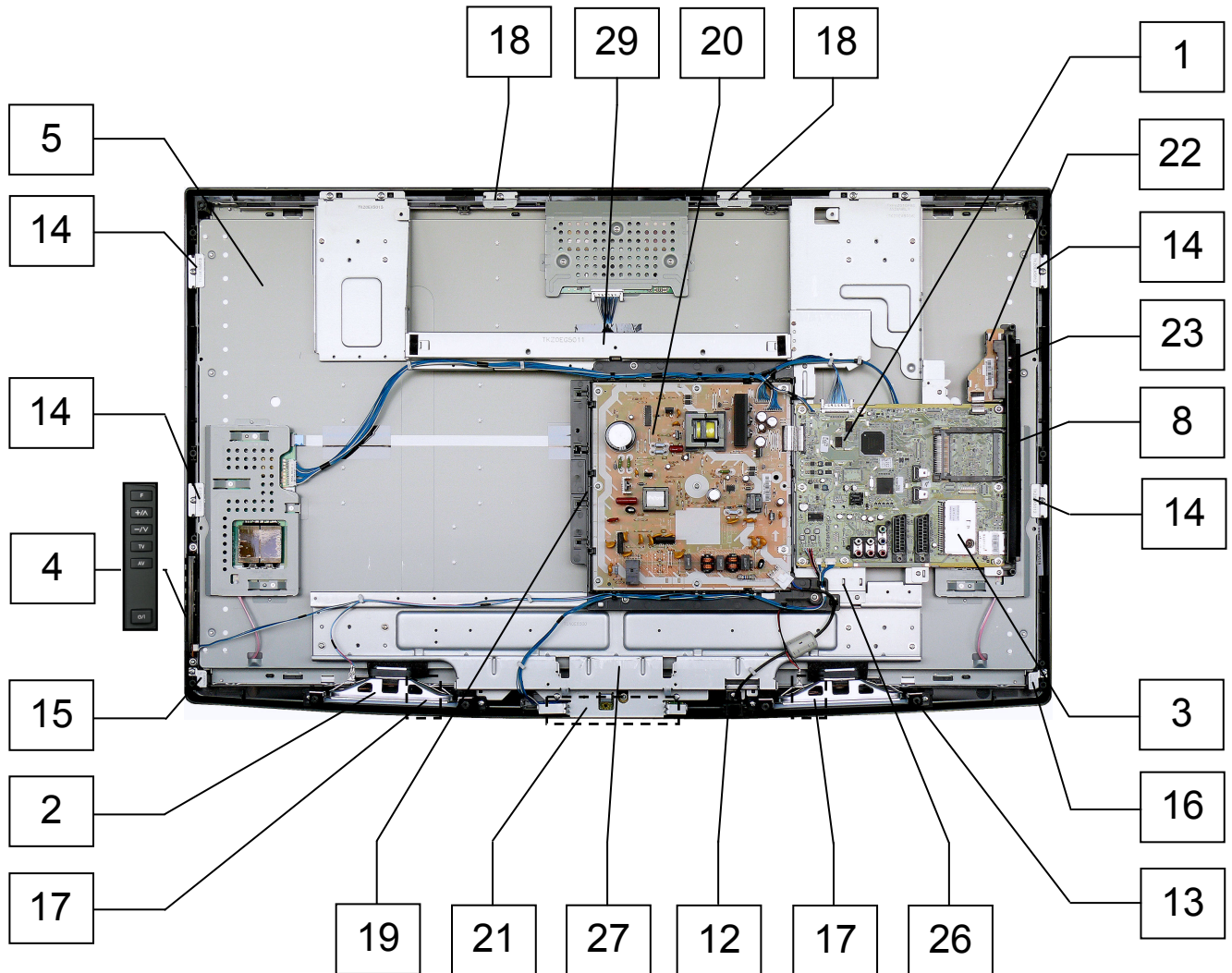
Parts Location

NOTE:
The numbers on the exploded view below refer to the exploded view section of the Replacement Parts List.



NOTE:

The numbers on the exploded view below refer to the exploded view section of the Replacement Parts List.



Replacement Parts List

Important Safety Notice

Components Identified by  mark have special characteristics important for safety.
 * When replacing any of these components, use only manufacturers specified parts.
 In case of ordering these spare parts, please always add the complete Model-Type number to your order.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

X The marking (X) indicates that board should be exchanged for service.

Cct Ref	Parts Number	Description			
EXPLODED VIEW					
1	A-L42U10E	A P.C.B.	X	RTL	
2	EAS16S12A	SPEAKER UNIT			
3	ENG37E18KF	TUNER			
4	K0RB00600006	CONTROL PANEL ASSY			
5	L5EDDAT00001	LCD PANEL			
6	N2QAYB000328	REMOTE CONTROL			
7	TBL0E0101	PEDESTAL ASSY			
8	TBM0E1709	CI SLOT COVER SHEET			
9	TBM0E1844	MODEL LABEL			
10	TBMA293	PANASONIC BADGE			
11	TKP0E16001	CONNECTOR COVER			
12	TKP0E39001	AC CORD BRACKET			
13	TKP0E39101	SPEAKER BRACKET			
14	TKZ0EA5012	MASK BRACKET SIDE			
15	TKZ0EA5013	MASK BRACKET CORNER R			
16	TKZ0EA5014	MASK BRACKET CORNER L			
17	TKZ0EA5017	BOTTOM MASK BRACKET			
18	TKZ0EA5018	TOP MASK BRACKET			
19	TMX0E413	P PCB PLS CHASSIS FRAM			
20	TNP8EP101AA	P P.C.B.		RTL	
21	TNP8EV101AA	V P.C.B.		RTL	
22	TNPA4850AB	G P.C.B.		RTL	
23	TTP0E0091	SIDE AV BRACKET ASSY			
24	TTU0E0593-1	BACK COVER ASSY			
25	TTY0E0519	CABINET ASSY			
26	TUA0E5400	A PCB METAL CHASSIS FR			
27	TUA0E6500	BOTTOM PANEL MTG			
28	TXASX01PBD-1	AC CORD			
29	TXFKZ010PBD	VESA BRACKET ASSY			
MISCELLANEOUS COMPONENTS					
.	R6DB/2P	BATTERY			
.	TBM0E9016	REAR AV LABEL_TOP			
.	TBM0E9019-2	REAR AV LABEL_BOTTOM			
.	THTD020J	SCREW			
.	TKP0E39201	IR/LED WINDOW			
.	TMK0EA040	FELT			
.	TMM8E18048	TAB-RELEASE CABLE			
.	TMME268	CLAMPER			
.	TPE0E4019-1	SET BAG			
.	TPE0E9004	POLYBAG_PEDESTAL			
.	TPG0E9420	CARTON CAP			
.	TXFPE01RLTB	CLEANING CLOTH ASSY			
.	XTB4+12JFJ	SCREW			
.	XTB4+15JFJK	SCREW			
.	XTB4+8JFJ	SCREW			
.	XTV3+8JFJK	SCREW			
.	XTW3+10TFJ	SCREW			

Cct Ref	Parts Number	Description	
.	XYM4+C10FJK	SCREW	
.	XYN4+F6FJ	SCREW	
BOTCUS	TPD0E2097	BOTTOM CUSHION	
CARTON	TPC0E58500	CARTON	
TOPCUS	TPD0E1105	TOP CUSHION	
INSTRUCTION BOOKS			
.	TQB0E0818A	GERMAN	
.	TQB0E0818B	DUTCH	
.	TQB0E0818C	ITALIAN	
.	TQB0E0818D	FRENCH	
.	TQB0E0818E	SPANISH	
.	TQB0E0818F	SWEDISH	
.	TQB0E0818G	NORWEGIAN	
.	TQB0E0818H	FINNISH	
.	TQB0E0818I	LITHUANIAN	
.	TQB0E0818J	PORTUGUESE	
.	TQB0E0818K	DANISH	
.	TQB0E0818M	BULGARIAN	
.	TQB0E0818N	ROMANIAN	
.	TQB0E0818O	LATVIAN	
.	TQB0E0818P	POLISH	
.	TQB0E0818Q	HUNGARIAN	
.	TQB0E0818R	CZECH	
.	TQB0E0818S	GREEK	
.	TQB0E0818T	TURKISH	
.	TQB0E0818U	ENGLISH	
.	TQB0E0818V	CROATIAN	
.	TQB0E0818W	SLOVAKIAN	
.	TQB0E0818X	CD ROM	
.	TQB0E0818Z	ESTONIAN	
I.C.s			
IC801	C0DBBZG00004	POWER FACTOR CONTROL	
IC802	C0DABYY00017	REGULATOR	
IC803	C0DABYY00015	SWITCHING REGULATOR	
IC804	C0DAEMZ00001	REGULATOR	
IC805	C0DAEMZ00001	REGULATOR	
IC1100	MN103SH9FPA1	MICRO_GENX	
IC1101	24GLP24GENX	EEPROM GENX	
IC2008	C0DBGYY00578	REGULATOR	
IC2301	C1AB00002875	AUDIO AMPLIFIER	
IC2902	C0DBGYY00281	REGULATOR	
IC3001	C1AB00002855	AUDIO VIDEO SWITCH	
IC4510	C1AB00003045	A/D VIDEO DECODER	
IC4511	C0DBGYY00578	REGULATOR	
IC4512	C0CBCAG00039	REGULATOR	
IC4513	C0DBGYY00618	REGULATOR	
IC5405	C0DBEYG00002	IC REGULATOR	
IC5409	C0DBEHE00005	REGULATOR	

Cct Ref	Parts Number	Description	
IC5441	C0DBAJB00004	REGULATOR	
IC5480	C1ZBZ0003986	DC/DC CONVERTER	
IC5600	C0DBAYY00480	DC/DC CONVERTER	
IC5601	C0DBAYY00480	DC/DC CONVERTER	
IC8001	MN2WS0059	PEAKS AVC	
IC8002	C3ABTG000007	DDR SDRAM	
IC8003	C3ABTG000007	DDR SDRAM	
IC8004	C0ZBZ0001567	CLOCK GENERATOR	
IC8301	C1AB00003049	COMBINED DEMODULATOR	
IC8302	C0DBFYY00028	REGULATOR	
IC8401	C1AB00002913	LEVEL SHIFTER	
IC8403	C0ZBZ0001584	IC SWITCH	
IC8404	C0JBAZ002692	BUS BUFFER	
IC8405	C0JBAZ002692	BUS BUFFER	
IC8408	C0JBAU000025	BUFFER	
IC8409	C0JBAZ002811	BUFFER	
IC8410	C0JBAU000025	BUFFER	
IC8411	C0JBAU000025	BUFFER	
IC8502	X24CL42U10E	EEPROM PEAKS-AVC	
IC8580	TVRQ370AH	PEAKS-AVC_FLASH MEMORY	
PC801	B3PAA0000363	PHOTO COUPLER	△
PC802	B3PAA0000363	PHOTO COUPLER	△
PC803	B3PAA0000363	PHOTO COUPLER	△
PC804	B3PAA0000363	PHOTO COUPLER	△
RM2500	B3RAD0000127	LED RECEIVER	
SN2500	B3JB00000046	PHOTO IC DIODE	
FUSES			
F801	K5D502BNA007	AC FUSE	△
PA4201	ERBSE2R50U	MICRO CHIP FUSE	
PA5420	ERBSE5R00U	FUSE	
PA5430	ERBSE2R50U	MICRO CHIP FUSE	
PA5601	ERBSE2R50U	MICRO CHIP FUSE	
DIODES			
D801	ERZV10V621T2	VARISTOR	△
D803	MA22F2000L	DIODE	
D805	B0BC022A0007	ZENER DIODE	
D806	MA24D5000B	DIODE	
D807	B0AARR000017	DIODE	
D808	ERZV10V621T2	VARISTOR	△
D809	B0EBNT000025	DIODE	△
D816	B0AAKR000011	DIODE	
D817	B0EBNT000025	DIODE	△
D820	MA22F2000L	DIODE	
D821	MA2J11100L	DIODE	
D822	B0JAPK000011	DIODE	
D823	MAZ82000ML	ZENER DIODE	
D824	B0BA6R600008	DIODE	
D825	MA2J11100L	DIODE	
D826	B0HCMM000014	DIODE	
D827	B0HAGV000004	DIODE	
D828	B0HAGV000004	DIODE	
D829	B0BA075A0420	DIODE	
D830	B0BA075A0420	DIODE	
D831	MAZ81800ML	DIODE	
D832	MAZ81800ML	DIODE	
D833	B0JBSL000021	DIODE	
D834	B0JBSL000021	DIODE	
D835	B0JBSL000021	DIODE	
D836	B0JBSL000023	DIODE	
D837	MA2J11100L	DIODE	
D838	MA2J11100L	DIODE	
D841	MA2J11100L	DIODE	
D842	MA2J11100L	DIODE	
D844	B0BA01600007	DIODE	
D845	B0BA03600021	DIODE	
D846	B0BA01000070	DIODE	
D1002	EZJZ0V120JA	VARISTOR	

Cct Ref	Parts Number	Description
D1003	EZJZ0V120JA	VARISTOR
D1004	EZAEG2A50AX	ESD SUPPRESSOR
D1005	EZAEG2A50AX	ESD SUPPRESSOR
D1006	EZAEG2A50AX	ESD SUPPRESSOR
D1007	EZAEG2A50AX	ESD SUPPRESSOR
D1107	MA3X704A0L	DIODE MA704ATX
D1112	MA2J72800L	DIODE
D2014	MA2J11100L	DIODE
D2017	MA2J11100L	DIODE
D2500	B3AGB0000057	LED
D2510	B3ACB0000225	DIODE
D2752	EZJZ0V120JA	VARISTOR
D2760	MAZ81400ML	DIODE
D2779	MA22F2000L	DIODE
D3013	MAZ81400ML	DIODE
D3014	MAZ81400ML	DIODE
D3048	MA3X704A0L	DIODE MA704ATX
D3339	MA3X704A0L	DIODE MA704ATX
D4202	MA2J11100L	DIODE
D4512	EZAEG2A50AX	ESD SUPPRESSOR
D4513	B0BC5R6A0275	DIODE
D4517	EZAEG2A50AX	ESD SUPPRESSOR
D4518	EZAEG2A50AX	ESD SUPPRESSOR
D4520	EZAEG2A50AX	ESD SUPPRESSOR
D4525	MA2J11100L	DIODE
D4526	MA2J11100L	DIODE
D4541	MA2J11100L	DIODE
D4542	MA2J11100L	DIODE
D4575	MA2J11100L	DIODE
D4576	B0HCMM000014	DIODE
D4577	B0HCMM000014	DIODE
D4583	B0HCMM000014	DIODE
D4611	B0BC5R6A0275	DIODE
D5407	MA2J11100L	DIODE
D5414	MA2J11100L	DIODE
D5441	MA3X78900L	DIODE
D5442	B0BC03900015	ZENER DIODE
D5473	MA2J11100L	DIODE
D5474	MA2J11100L	DIODE
D5480	MA2J11100L	DIODE
D5481	MAZ81800ML	DIODE
D5482	MA2J11100L	DIODE
D5483	MAZ81100ML	ZENER DIODE
D5484	MA2J11100L	DIODE
D5485	MAZ82400ML	ZENER DIODE
D5486	MA2J11100L	DIODE
D5612	MAZ80470ML	ZENER DIODE
D5613	MA2J11100L	DIODE
D5618	MAZ80470ML	ZENER DIODE
D5619	MA2J11100L	DIODE
D5626	MAZ80470ML	ZENER DIODE
D5627	MA2J11100L	DIODE
TRANSISTORS		
Q801	B1CFHD000010	TRANSISTOR
Q802	B1CARR000001	TRANSISTOR
Q804	B1BACG000044	TRANSISTOR
Q805	2SD0601ASL	TRANSISTOR
Q806	B1CARR000002	TRANSISTOR
Q807	B1CARR000002	TRANSISTOR
Q808	2SC584500L	TRANSISTOR
Q810	B1CFND000009	TRANSISTOR
Q811	2SD0601ASL	TRANSISTOR
Q812	2SC584500L	TRANSISTOR
Q813	B1CFHD000010	TRANSISTOR
Q2001	B1ABCF000231	TRANSISTOR
Q2022	B1ADCE000022	TRANSISTOR
Q2063	2SD0601ASL	TRANSISTOR

Cct Ref	Parts Number	Description
Q2064	2SD0601ASL	TRANSISTOR
Q2065	2SB0709ASL	TRANSISTOR
Q2500	B1ABCF000231	TRANSISTOR
Q2501	B1ABCF000231	TRANSISTOR
Q2503	B1ABCF000231	TRANSISTOR
Q2504	B1ABCF000231	TRANSISTOR
Q3000	B1ABCF000231	TRANSISTOR
Q3001	B1ABCF000231	TRANSISTOR
Q3002	B1ABCF000231	TRANSISTOR
Q3003	B1ABCF000231	TRANSISTOR
Q3004	B1ABCF000231	TRANSISTOR
Q3005	B1ABCF000231	TRANSISTOR
Q4201	2SD0601A0L	TRANSISTOR
Q4202	2SB0709A0L	TRANSISTOR
Q4203	2SD0601A0L	TRANSISTOR
Q4204	2SC39380QL	TRANSISTOR
Q4205	2SD0601A0L	TRANSISTOR
Q4206	2SC39380QL	TRANSISTOR
Q4207	2SD0601A0L	TRANSISTOR
Q4500	B1ABCF000231	TRANSISTOR
Q4501	B1ABCF000231	TRANSISTOR
Q4514	2SB0709ASL	TRANSISTOR
Q4515	2SB0709ASL	TRANSISTOR
Q4516	2SB0709ASL	TRANSISTOR
Q4517	2SB0709ASL	TRANSISTOR
Q4519	2SB0709ASL	TRANSISTOR
Q4533	B1ABCF000231	TRANSISTOR
Q4534	B1ABCF000231	TRANSISTOR
Q4807	2SD0601A0L	TRANSISTOR
Q5407	2SC584500L	TRANSISTOR
Q5408	2SC584500L	TRANSISTOR
Q5412	B1CHRE000005	TRANSISTOR
Q5417	B1CHRE000005	TRANSISTOR
Q5421	2SC584500L	TRANSISTOR
Q5431	2SC584500L	TRANSISTOR
Q5441	B1CFNG000001	TRANSISTOR
Q5453	2SD0601A0L	TRANSISTOR
Q5461	B1ADCE000022	TRANSISTOR
Q5600	B1MBDDA00003	TRANSISTOR
Q5601	B1MBDDA00003	TRANSISTOR
Q5602	B1MBDDA00003	TRANSISTOR
Q8200	2SD0601A0L	TRANSISTOR
Q8401	2SD0601A0L	TRANSISTOR
Q8402	2SD0601A0L	TRANSISTOR
TRANSFORMERS		
T801	G4C2AYY00001	TRANSFORMER
T802	ETS19AB296AG	TRANSFORMER
T803	ETS40LC116AD	TRANSFORMER
COILS		
L802	EXCELSA35T	COIL
L803	EXCELSA35V	COIL
L807	EXCELSA35V	COIL
L1100	J0JYC0000068	CHIP INDUCTOR
L2001	G1C150KA0038	COIL
L2010	G1C220MA0291	COIL
L2012	G1C220MA0291	COIL
L2014	G1C220MA0291	COIL
L2016	G1C220MA0291	COIL
L2018	J0JHC0000042	CHIP INDUCTOR
L2032	J0JYC0000068	CHIP INDUCTOR
L2750	J0JYC0000065	COIL
L2751	J0JYC0000065	COIL
L2752	J0JYC0000065	COIL
L2754	J0JYC0000065	COIL
L2755	J0JYC0000065	COIL
L2756	J0JYC0000065	COIL
L2901	J0JCC0000278	CHIP INDUCTOR



Cct Ref	Parts Number	Description
L2902	J0JCC0000269	CHIP INDUCTOR
L2904	J0JCC0000269	CHIP INDUCTOR
L2907	J0JCC0000063	CHIP INDUCTOR
L2908	J0JCC0000063	CHIP INDUCTOR
L3002	J0JCC0000287	COIL
L3003	J0JCC0000287	COIL
L3004	J0JCC0000287	COIL
L3005	J0JCC0000287	COIL
L3006	J0JCC0000287	COIL
L3007	J0JCC0000287	COIL
L3008	J0JCC0000287	COIL
L3009	J0JCC0000287	COIL
L3010	J0JCC0000287	COIL
L3011	J0JCC0000287	COIL
L3014	J0JCC0000287	COIL
L3015	J0JCC0000287	COIL
L3017	J0JCC0000287	COIL
L3018	J0JCC0000287	COIL
L3026	J0JCC0000287	COIL
L3027	J0JCC0000287	COIL
L3028	J0JCC0000287	COIL
L3700	J0JCC0000100	INDUCTOR
L3701	J0JCC0000100	INDUCTOR
L3702	J0JCC0000364	INDUCTOR
L3703	J0JCC0000364	INDUCTOR
L4201	J0JYC0000068	CHIP INDUCTOR
L4208	G1C100MA0072	COIL
L4210	J0JHC0000045	COIL BLM18PG121SN1D
L4502	J0JYC0000068	CHIP INDUCTOR
L4503	J0JYC0000068	CHIP INDUCTOR
L4504	J0JYC0000068	CHIP INDUCTOR
L4505	J0JYC0000068	CHIP INDUCTOR
L4506	J0JYC0000068	CHIP INDUCTOR
L4507	J0JYC0000068	CHIP INDUCTOR
L4511	J0JYC0000068	CHIP INDUCTOR
L4512	J0JCC0000059	CHIP INDUCTOR
L4513	J0JCC0000059	CHIP INDUCTOR
L4514	J0JYC0000068	CHIP INDUCTOR
L4515	J0JYC0000068	CHIP INDUCTOR
L4516	J0JYC0000068	CHIP INDUCTOR
L4517	J0JYC0000068	CHIP INDUCTOR
L4518	J0JYC0000068	CHIP INDUCTOR
L4519	J0JYC0000068	CHIP INDUCTOR
L5430	J0JHC0000045	COIL BLM18PG121SN1D
L5443	G1C470MA0077	COIL
L5444	G1C100MA0072	COIL
L5480	J0JYC0000068	CHIP INDUCTOR
L5481	J0JYC0000068	CHIP INDUCTOR
L5600	G1C2R2Z00007	COIL
L5601	G1C3R3Z00004	COIL
L5602	G1C4R7Z00014	COIL
L5604	G1C100MA0203	COIL
L5605	J0JHC0000045	COIL BLM18PG121SN1D
L5608	G1C100MA0077	COIL
L8001	J0JHC0000045	COIL BLM18PG121SN1D
L8002	J0JHC0000045	COIL BLM18PG121SN1D
L8003	J0JHC0000045	COIL BLM18PG121SN1D
L8004	J0JHC0000045	COIL BLM18PG121SN1D
L8005	J0JHC0000045	COIL BLM18PG121SN1D
L8007	J0JHC0000045	COIL BLM18PG121SN1D
L8008	J0JHC0000045	COIL BLM18PG121SN1D
L8009	J0JHC0000045	COIL BLM18PG121SN1D
L8010	J0JHC0000045	COIL BLM18PG121SN1D
L8011	J0JHC0000045	COIL BLM18PG121SN1D
L8012	J0JHC0000045	COIL BLM18PG121SN1D
L8013	J0JHC0000045	COIL BLM18PG121SN1D
L8301	J0JHC0000045	COIL BLM18PG121SN1D
L8303	G1CR15JA0020	INDUCTOR

Cct Ref	Parts Number	Description				
L8304	J0JHC0000045	COIL BLM18PG121SN1D				
L8501	J0JHC0000045	COIL BLM18PG121SN1D				
L8580	J0JHC0000075	COIL BLM21PG600SN1D				
FILTERS						
FL4201	EXC28CE201U	FILTER				
FL4202	EXC28CE201U	FILTER				
FL4203	EXC28CE201U	FILTER				
FL4204	EXC28CE201U	FILTER				
FL4205	EXC28CE201U	FILTER				
FL4206	EXC28CE201U	FILTER				
LF801	G0B113GA0053	LINE FILTER	⚠			
LF802	G0B113GA0053	LINE FILTER	⚠			
CRYSTALS						
X1100	H0J100500035	CRYSTAL				
X2010	H0J245500089	CRYSTAL				
X8001	H0J270500120	CRYSTAL				
X8301	H0J300500027	CRYSTAL				
RESISTORS						
CF801	D4CAY8R0A010	THERMIST	-	-	8 Ω	⚠
JS1000	ERJ2GE0R00X	SMD	.063W	-	0 Ω	
JS1013	ERJ2GE0R00X	SMD	.063W	-	0 Ω	
JS2500	ERJ2GE0R00X	SMD	.063W	-	0 Ω	
L8052	ERJ2GE0R00X	SMD	.063W	-	0 Ω	
R0180	ERJ2GEJ101X	SMD	.063W	5%	100 Ω	
R801	EROS2THF4703	METAL	0.25W	1%	470K Ω	
R802	EROS2THF4703	METAL	0.25W	1%	470K Ω	
R803	EROS2THF3303	METAL	0.25W	1%	330K Ω	
R804	D1BD1002A044	SMD	.125W	1%	10K Ω	
R805	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R806	ERD25TJ681	CARBON	0.25W	5%	680 Ω	
R807	ERC12ZGK105V	CARBON	0.5W	10%	1M Ω	⚠
R808	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω	
R810	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R811	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R812	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R813	ERJ6GEYJ220	S.M.CARB	0.1W	5%	22 Ω	
R814	D0D2R68KA003	RESISTOR	2W	10%	R68 Ω	
R815	D0D2R68KA003	RESISTOR	2W	10%	R68 Ω	
R816	EROS2THD8203	METAL	0.25W	0.5	820K Ω	
R817	EROS2THD7503	METAL	0.25W	0.5	750K Ω	
R818	EROS2THD7503	METAL	0.25W	0.5	750K Ω	
R819	ERJ6RBD153V	SMD	0.1W	0.5	15K Ω	
R822	ERDS2TJ105T	CARBON	0.25W	5%	1M Ω	
R823	ERDS2TJ105T	CARBON	0.25W	5%	1M Ω	
R824	ERDS2TJ105T	CARBON	0.25W	5%	1M Ω	
R825	ERJ6RBD223V	SMD	0.1W	0.5	22K Ω	
R826	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R827	ERJ6RBD912V	SMD	0.1W	0.5	9K1 Ω	
R828	ERJ6RBD622V	SMD	0.1W	0.5	6K2 Ω	
R830	ERJ6ENF11R3V	SMD	.125W	1%	11R3 Ω	
R832	ERDS2TJ105T	CARBON	0.25W	5%	1M Ω	
R833	ERDS2TJ105T	CARBON	0.25W	5%	1M Ω	
R834	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56K Ω	
R835	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R836	ERJ6ENF10R0V	SMD	.125W	1%	10 Ω	
R837	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R838	D0D22R7KA003	FIXED RE	2W	10%	2R7 Ω	
R839	ERJ8GEYJ220V	SMD	0.25W	5%	22 Ω	
R840	ERJ8GEYJ220V	SMD	0.25W	5%	22 Ω	
R841	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R842	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R843	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R844	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R845	ERX2FJR47H	METAL	2W	5%	R47 Ω	
R848	ERX2FJR47H	METAL	2W	5%	R47 Ω	
R851	ERDS1TJ100	CARBON	0.5W	5%	10 Ω	
R852	ERG2SJ104P	METAL	2W	5%	100K Ω	

Cct Ref	Parts Number	Description				
R853	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R854	D0XB106J0003	RESISTOR	1W	5%	10M Ω	△
R855	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω	
R856	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R857	D0GD102JA036	SMD	.125W	5%	1K Ω	
R858	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R859	ERDS1TJ102	CARBON	0.5W	5%	1K Ω	
R861	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω	
R862	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R863	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω	
R864	ERJ6GEYJ114	S.M.CARB	0.1W	5%	110K Ω	
R865	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R866	D0GD103JA036	SMD	.125W	5%	10K Ω	
R867	ERJ6RBD332V	SMD	0.1W	0.5	3K3 Ω	
R868	ERJ6ENF5601	SMD	.125W	1%	5K6 Ω	
R869	ERJ6ENF6801	S.M.CARB	0.1W	1%	6K8 Ω	
R870	ERJ6RBD122	SMD	0.1W	0.5	1K2 Ω	
R871	ERJ6RBD203V	SMD	0.1W	0.5	20K Ω	
R872	ERJ6RBD242V	SMD	0.1W	0.5	2K4 Ω	
R873	D0GDR00Z0002	SMD	.125W	-	0 Ω	
R874	ERJ12YJ272U	SMD	0.5W	5%	2K7 Ω	
R876	ERJ12YJ272U	SMD	0.5W	5%	2K7 Ω	
R877	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R878	ERJ12YJ272U	SMD	0.5W	5%	2K7 Ω	
R879	ERJ12YJ272U	SMD	0.5W	5%	2K7 Ω	
R883	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R884	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R885	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R886	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R887	ERDS2TJ105T	CARBON	0.25W	5%	1M Ω	
R888	ERJ6RBD153V	SMD	0.1W	0.5	15K Ω	
R889	ERJ12YJ272U	SMD	0.5W	5%	2K7 Ω	
R0900	ERJ2GEJ680X	SMD	.063W	5%	68 Ω	
R0901	EXB28V680JX	SMD	.031W	5%	68 Ω	
R0902	ERJ2GEJ103X	SMD	.063W	5%	10K Ω	
R0905	ERJ2GEJ103X	SMD	.063W	5%	10K Ω	
R0906	ERJ2GEJ103X	SMD	.063W	5%	10K Ω	
R0907	ERJ2GEJ103X	SMD	.063W	5%	10K Ω	
R0911	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0912	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0913	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0914	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0915	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω	
R0916	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω	
R0917	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0918	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0919	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0920	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0927	ERJ2GEOR00X	SMD	.063W	-	0 Ω	
R0928	ERJ2GEOR00X	SMD	.063W	-	0 Ω	
R0929	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0930	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0933	ERJ2GEOR00X	SMD	.063W	-	0 Ω	
R0934	ERJ2GEOR00X	SMD	.063W	-	0 Ω	
R0935	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0936	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0937	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω	
R0938	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω	
R0939	ERJ2GEOR00X	SMD	.063W	-	0 Ω	
R0940	ERJ2GEOR00X	SMD	.063W	-	0 Ω	
R0941	ERJ2GEJ331X	SMD	.063W	5%	330 Ω	
R0942	ERJ2GEJ331X	SMD	.063W	5%	330 Ω	
R0945	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0946	ERJ2GEJ220X	SMD	.063W	5%	22 Ω	
R0947	ERJ2GEJ680X	SMD	.063W	5%	68 Ω	
R0948	ERJ2GEJ680X	SMD	.063W	5%	68 Ω	
R0949	ERJ2GEJ680X	SMD	.063W	5%	68 Ω	
R0950	ERJ2GEJ680X	SMD	.063W	5%	68 Ω	

Cct Ref	Parts Number	Description			
R0951	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0952	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0953	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0954	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0955	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0956	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0957	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0958	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0959	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0960	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0961	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0962	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0963	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1146	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R1153	ERJ2GEJ471X	SMD	.063W	5%	470 Ω
R1163	ERJ2GEJ105X	SMD	.063W	5%	1M Ω
R1173	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R1179	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R1181	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R1182	ERJ2GEJ273X	SMD	.063W	5%	27K Ω
R1197	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R1203	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R1209	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R1221	D1BB7151A055	SMD	0.1W	1%	7K15 Ω
R1224	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1225	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1236	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R1237	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R1243	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R1255	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R1400	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1401	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R1402	ERJ2GEJ683X	SMD	.063W	5%	68K Ω
R1403	ERJ2GEJ333X	SMD	.063W	5%	33K Ω
R1404	ERJ2GEJ683X	SMD	.063W	5%	68K Ω
R1405	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R1406	ERJ2GEJ683X	SMD	.063W	5%	68K Ω
R1407	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R1409	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R1410	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1411	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R1422	ERJ2GEJ182X	SMD	.063W	5%	1K8 Ω
R2002	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2003	ERJ2GEJ105X	SMD	.063W	5%	1M Ω
R2006	ERJ2GEJ471X	SMD	.063W	5%	470 Ω
R2007	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R2008	ERJ2GEJ471X	SMD	.063W	5%	470 Ω
R2015	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2016	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2017	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2018	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2019	D1BB2002A055	SMD	0.1W	1%	20K Ω
R2020	D1BB2001A055	SMD	0.1W	1%	2K Ω
R2023	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2032	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2047	D1BB2802A055	SMD	0.1W	1%	28K Ω
R2048	D1BB2802A055	SMD	0.1W	1%	28K Ω
R2050	D1BB2802A055	SMD	0.1W	1%	28K Ω
R2051	D1BB2802A055	SMD	0.1W	1%	28K Ω
R2063	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2064	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2092	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2093	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2110	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2111	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2114	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R2115	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R2118	ERJ2GEJ471X	SMD	.063W	5%	470 Ω

Cct Ref	Parts Number	Description			
R2119	ERJ2GEJ105X	SMD	.063W	5%	1M Ω
R2120	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2121	ERJ8GEYJ3R3V	SMD	0.25W	5%	3R3 Ω
R2122	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2123	ERJ8GEYJ3R3V	SMD	0.25W	5%	3R3 Ω
R2124	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2125	ERJ8GEYJ3R3V	SMD	0.25W	5%	3R3 Ω
R2127	ERJ8GEYJ3R3V	SMD	0.25W	5%	3R3 Ω
R2129	ERJ2GEJ100X	SMD	.063W	5%	10 Ω
R2132	ERJ2GEJ471X	SMD	.063W	5%	470 Ω
R2137	ERJ2GEJ100X	SMD	.063W	5%	10 Ω
R2141	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2142	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R2172	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R2190	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R2316	EXB28V220JX	SMD	.031W	5%	22 Ω
R2325	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2500	ERJ2RKF3000X	SMD	.063W	1%	300 Ω
R2501	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2502	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2503	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2504	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R2505	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2507	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2508	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2509	ERJ2RKF5760X	SMD	.063W	1%	576 Ω
R2512	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R2514	ERJ2RKF1802X	SMD	.063W	1%	18K Ω
R2515	ERJ2RKF4702X	SMD	.063W	1%	47K Ω
R2516	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2517	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R2518	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2751	D0GDR00Z0002	SMD	.125W	-	0 Ω
R2752	D0GDR00Z0002	SMD	.125W	-	0 Ω
R2755	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2756	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2757	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2758	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2759	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2760	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2761	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2762	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R2763	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2764	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2765	D0GDR00Z0002	SMD	.125W	-	0 Ω
R2774	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2777	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2778	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2903	D0GBR00Z0002	SMD	0.1W	-	0 Ω
R2905	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2909	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2915	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R2918	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2927	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2930	ERJ2GEJ153X	SMD	.063W	5%	15K Ω
R2931	D0GBR00Z0002	SMD	0.1W	-	0 Ω
R2941	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2942	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3000	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3001	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3002	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3003	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3004	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3005	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3006	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3007	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3008	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R3009	ERJ2GEJ101X	SMD	.063W	5%	100 Ω

Cct Ref	Parts Number	Description			
R3010	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3011	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3012	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R3013	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R3019	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R3021	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R3024	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3025	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3028	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3029	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3033	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3034	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3037	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3038	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3041	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3042	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3043	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3045	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3047	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3048	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3049	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3050	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3051	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3052	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3056	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3057	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3058	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3072	D1BD1500A044	SMD	.125W	1%	150 Ω
R3073	D1BD1500A044	SMD	.125W	1%	150 Ω
R3074	D1BD1500A044	SMD	.125W	1%	150 Ω
R3075	D1BD1500A044	SMD	.125W	1%	150 Ω
R3076	D1BD1500A044	SMD	.125W	1%	150 Ω
R3077	D1BD1500A044	SMD	.125W	1%	150 Ω
R3079	D1BD1500A044	SMD	.125W	1%	150 Ω
R3081	D1BD1500A044	SMD	.125W	1%	150 Ω
R3082	D1BD1500A044	SMD	.125W	1%	150 Ω
R3083	D1BD1500A044	SMD	.125W	1%	150 Ω
R3084	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3085	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3086	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3087	D1BD1500A044	SMD	.125W	1%	150 Ω
R3089	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3091	ERJ2RKF2152X	SMD	.063W	1%	21K5 Ω
R3092	ERJ2RKF2152X	SMD	.063W	1%	21K5 Ω
R3094	ERJ2RKF1302X	SMD	.063W	1%	13K Ω
R3097	D1BD1500A044	SMD	.125W	1%	150 Ω
R3098	D1BD1500A044	SMD	.125W	1%	150 Ω
R3100	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3102	D1BD1500A044	SMD	.125W	1%	150 Ω
R3104	D1BD1500A044	SMD	.125W	1%	150 Ω
R3106	ERJ2GEJ273X	SMD	.063W	5%	27K Ω
R3108	ERJ2GEJ273X	SMD	.063W	5%	27K Ω
R3112	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3113	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3115	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3116	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3117	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3118	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3119	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3120	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3121	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3123	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3128	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3132	ERJ2GEJ820X	SMD	.063W	5%	82 Ω
R3133	ERJ2GEJ820X	SMD	.063W	5%	82 Ω
R3134	ERJ2GEJ820X	SMD	.063W	5%	82 Ω
R3135	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3136	ERJ2GEJ221X	SMD	.063W	5%	220 Ω

Cct Ref	Parts Number	Description			
R3137	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3138	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3139	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3140	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3143	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3146	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3150	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3153	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3167	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3169	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3172	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3174	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3182	ERJ2RKF1302X	SMD	.063W	1%	13K Ω
R3186	D1BD1500A044	SMD	.125W	1%	150 Ω
R3187	D1BD1500A044	SMD	.125W	1%	150 Ω
R3188	D1BD1500A044	SMD	.125W	1%	150 Ω
R3189	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3190	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3191	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3193	D1BD1500A044	SMD	.125W	1%	150 Ω
R3198	D1BD1500A044	SMD	.125W	1%	150 Ω
R3204	D1BD1500A044	SMD	.125W	1%	150 Ω
R3205	D1BD1500A044	SMD	.125W	1%	150 Ω
R3206	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R3207	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R3212	D1BD1500A044	SMD	.125W	1%	150 Ω
R3213	D1BD1500A044	SMD	.125W	1%	150 Ω
R3222	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3223	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3224	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3225	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3226	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R3227	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R3230	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3231	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3232	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3233	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3234	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3235	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3236	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3237	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3240	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3245	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3256	D0GDR00Z0002	SMD	.125W	-	0 Ω
R3281	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3282	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3283	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3284	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3700	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω
R3701	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω
R3702	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω
R3703	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω
R4277	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4284	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4285	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4286	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4294	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4300	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4305	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4306	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4309	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4310	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4311	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4312	ERJ2GEJ302X	SMD	.063W	5%	3K Ω
R4315	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4316	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4317	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4318	ERJ2GEJ103X	SMD	.063W	5%	10K Ω

Cct Ref	Parts Number	Description			
R4319	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4320	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4321	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4322	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4323	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4324	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4325	D1BD5111A044	SMD	.125W	1%	5K11 Ω
R4326	D1BD4871A044	SMD	.125W	1%	4K87 Ω
R4327	ERJ2RKF3001X	SMD	.063W	1%	3K Ω
R4328	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4329	ERJ2RKF3901X	SMD	.063W	1%	3K9 Ω
R4330	ERJ2GEJ100X	SMD	.063W	5%	10 Ω
R4331	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4334	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4335	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4336	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4337	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4338	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4352	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4357	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4359	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4360	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4367	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4500	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4501	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4502	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R4503	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R4504	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4505	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4506	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4507	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4524	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4525	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4528	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4529	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4530	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4531	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4532	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4533	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4534	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4538	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4539	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4540	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4541	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4542	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4543	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4546	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4552	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R4587	D1BB60400001	SMD	0.1W	1%	604 Ω
R4588	D1BB8060A055	SMD	0.1W	1%	806 Ω
R4589	D1BB8060A055	SMD	0.1W	1%	806 Ω
R4592	D1BB8060A055	SMD	0.1W	1%	806 Ω
R4593	D1BB2201A055	SMD	0.1W	1%	2K2 Ω
R4596	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R4597	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R4598	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R4601	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R4604	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4605	D1BB2201A055	SMD	0.1W	1%	2K2 Ω
R4607	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4608	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R4609	ERJ2GEJ122X	SMD	.063W	5%	1K2 Ω
R4613	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4614	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4615	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4616	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4620	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4622	ERJ2GEJ102X	SMD	.063W	5%	1K Ω

Cct Ref	Parts Number	Description			
R4623	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4624	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4626	D1BB2200A055	SMD	0.1W	1%	220 Ω
R4627	D1BB2200A055	SMD	0.1W	1%	220 Ω
R4631	D1BB4990A055	SMD	0.1W	1%	499 Ω
R4634	D1BB2200A055	SMD	0.1W	1%	220 Ω
R4635	EXB28V680JX	SMD	.031W	5%	68 Ω
R4636	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4637	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4638	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4639	EXB28V680JX	SMD	.031W	5%	68 Ω
R4640	EXB28V680JX	SMD	.031W	5%	68 Ω
R4641	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4642	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4645	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4646	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4648	EXB28V330JX	SMD	.031W	5%	33 Ω
R4649	EXB28V680JX	SMD	.031W	5%	68 Ω
R4650	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4651	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4652	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4656	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R4664	D1BB60400001	SMD	0.1W	1%	604 Ω
R4665	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4666	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4672	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4674	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4677	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4678	EXB28V680JX	SMD	.031W	5%	68 Ω
R4679	EXB28V680JX	SMD	.031W	5%	68 Ω
R4698	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R4699	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R4700	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4707	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4732	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4736	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4738	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4742	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4743	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4799	EXB28V680JX	SMD	.031W	5%	68 Ω
R4862	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4863	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5407	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5408	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5409	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5410	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5411	ERJ2RKF5361X	SMD	.063W	1%	5K36 Ω
R5412	ERJ2RKF1501X	SMD	.063W	1%	1K5 Ω
R5414	ERJ2RKF6342X	SMD	.063W	1%	63K4 Ω
R5415	ERJ2RKF1002X	SMD	.063W	1%	10K Ω
R5421	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5422	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5423	ERJ2GEJ563X	SMD	.063W	5%	56K Ω
R5424	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R5425	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5431	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5432	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5433	ERJ2GEJ333X	SMD	.063W	5%	33K Ω
R5434	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R5435	ERJ12YJ471U	SMD	0.5W	5%	470 Ω
R5441	ERJ6ENF8202V	SMD	.125W	1%	82K Ω
R5442	D1BD1602A044	SMD	.125W	1%	16K Ω
R5443	ERJ6GEY0R00	S.M.CARB	0.1W	-	0 Ω
R5449	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R5461	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5462	ERJ2GEJ274X	SMD	.063W	5%	270K Ω
R5463	ERJ2GEJ105X	SMD	.063W	5%	1M Ω
R5469	ERJ2GEJ203X	SMD	.063W	5%	20K Ω

Cct Ref	Parts Number	Description			
R5470	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R5474	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R5475	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5476	ERJ2GEJ153X	SMD	.063W	5%	15K Ω
R5479	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R5480	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5481	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R5482	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R5483	ERJ2GEJ563X	SMD	.063W	5%	56K Ω
R5484	ERJ2GEJ203X	SMD	.063W	5%	20K Ω
R5485	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R5486	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5487	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5488	ERJ2GEJ183X	SMD	.063W	5%	18K Ω
R5489	ERJ2GEJ333X	SMD	.063W	5%	33K Ω
R5490	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R5491	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R5492	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R5493	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R5494	ERJ2GEJ683X	SMD	.063W	5%	68K Ω
R5495	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5496	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5497	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5498	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R5499	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R5603	D1BB2402A055	SMD	0.1W	1%	24K Ω
R5604	D1BB4752A055	SMD	0.1W	1%	47K5 Ω
R5605	D1BB2702A055	CHIP RES	0.1W	1%	27K Ω
R5610	ERJ2GEJ5R6X	SMD	.063W	5%	5R6 Ω
R5620	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R5629	D1BB2702A055	CHIP RES	0.1W	1%	27K Ω
R5630	D1BB2402A055	SMD	0.1W	1%	24K Ω
R5631	D1BB5102A055	SMD	0.1W	1%	51K Ω
R5632	D1BB3002A055	SMD	0.1W	1%	30K Ω
R5633	D1BB1602A055	SMD	0.1W	1%	16K Ω
R5634	D1BB2002A055	SMD	0.1W	1%	20K Ω
R5635	ERJ2GEJ5R6X	SMD	.063W	5%	5R6 Ω
R8004	D1BB2402A055	SMD	0.1W	1%	24K Ω
R8005	D1BB1002A055	SMD	0.1W	1%	10K Ω
R8006	D1BB2402A055	SMD	0.1W	1%	24K Ω
R8007	D0GBR00Z0002	SMD	0.1W	-	0 Ω
R8026	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8027	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8030	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R8031	ERJ2RKF1001X	SMD	.063W	1%	1K Ω
R8032	ERJ2RKF1001X	SMD	.063W	1%	1K Ω
R8056	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8057	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8058	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8059	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8060	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8061	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8062	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8063	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8064	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8065	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8066	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8067	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8068	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8069	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8070	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8071	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8072	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8073	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8074	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R8075	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8076	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8077	ERJ2GEJ470X	SMD	.063W	5%	47 Ω

Cct Ref	Parts Number	Description			
R8078	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8081	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8082	ERJ2RKF75R0X	SMD	.063W	1%	75 Ω
R8083	ERJ2GEJ301X	SMD	.063W	5%	300 Ω
R8086	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8091	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8093	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8096	ERJ2GEJ820X	SMD	.063W	5%	82 Ω
R8097	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R8100	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8101	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8109	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8214	ERJ8GEY0R00	S.M.CARB	.125W	-	0 Ω
R8244	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8245	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8272	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8301	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8303	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8304	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8305	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R8306	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8307	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8308	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8310	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8311	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8312	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R8313	ERJ2GEJ225X	SMD	.063W	5%	2M2 Ω
R8314	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8315	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8316	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8317	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8319	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8321	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8322	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8323	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8324	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8325	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8326	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8327	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8328	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8330	ERJ8GEY0R00	S.M.CARB	.125W	-	0 Ω
R8332	EXB2HV101JV	SMD	.063W	5%	100 Ω
R8333	EXB2HV101JV	SMD	.063W	5%	100 Ω
R8335	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8336	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8337	EXB28V680JX	SMD	.031W	5%	68 Ω
R8338	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8339	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8340	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8345	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8347	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8353	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8354	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8356	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8392	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8395	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8404	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8405	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8406	D0GFR10JA020	SMD	0.25W	5%	R1 Ω
R8407	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R8410	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R8411	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R8412	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8415	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8416	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R8417	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8418	ERJ2GEJ681X	SMD	.063W	5%	680 Ω
R8421	ERJ2GEJ680X	SMD	.063W	5%	68 Ω

Cct Ref	Parts Number	Description			
R8422	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8423	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8424	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8425	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8426	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8428	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8430	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R8431	ERJ2GEJ151X	SMD	.063W	5%	150 Ω
R8432	ERJ2GEJ151X	SMD	.063W	5%	150 Ω
R8433	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R8434	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R8435	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8436	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8437	EXB2HV104JV	CHIP RES	.063W	5%	100K Ω
R8438	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8439	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8440	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8441	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8442	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8445	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8446	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8449	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8450	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8453	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8454	EXB28V151JX	SMD	.031W	5%	150 Ω
R8455	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8456	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8457	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8458	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8459	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8460	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8461	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8463	EXB28V151JX	SMD	.031W	5%	150 Ω
R8464	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8465	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8466	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8467	EXB28V151JX	SMD	.031W	5%	150 Ω
R8468	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8469	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8470	EXB28V151JX	SMD	.031W	5%	150 Ω
R8471	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8476	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8477	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8479	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8487	EXB28V680JX	SMD	.031W	5%	68 Ω
R8488	EXB28V680JX	SMD	.031W	5%	68 Ω
R8489	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8491	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R8493	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8494	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8496	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8501	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R8502	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R8503	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R8504	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R8506	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R8508	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8510	D1BB1600A055	SMD	0.1W	1%	160 Ω
R8511	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R8512	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8514	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8515	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8516	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8517	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8520	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8558	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8575	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8576	ERJ2GEJ680X	SMD	.063W	5%	68 Ω

Cct Ref	Parts Number	Description			
R8577	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8578	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8581	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8598	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8599	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8600	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8601	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8602	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8603	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8604	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8605	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8606	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8607	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8608	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8609	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8610	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8611	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8612	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8613	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8614	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8615	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8616	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8617	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8618	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8619	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8620	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8626	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8627	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8628	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8629	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8630	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8634	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8635	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8638	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8639	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8640	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8641	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8642	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8644	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8645	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8646	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8647	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8652	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8653	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8654	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8658	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8660	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8661	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8663	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8665	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8666	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8667	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8670	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8671	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8672	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8673	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8674	EXB2HV103JV	SMD	.063W	5%	10K Ω
R8675	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8677	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8678	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8679	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8680	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8681	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8683	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8688	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8689	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8690	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8691	ERJ2GEJ103X	SMD	.063W	5%	10K Ω

Cct Ref	Parts Number	Description			
R8692	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8696	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8697	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8703	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8712	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8715	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8716	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8718	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8719	EXB28V103JX	SMD	.031W	5%	10K Ω
R8722	EXB28V103JX	SMD	.031W	5%	10K Ω
R8723	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8724	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8725	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8726	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8729	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8730	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8732	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8733	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8734	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8735	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8736	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8738	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8739	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8740	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8742	EXB2HV121JV	SMD	.063W	5%	120 Ω
R8745	EXB2HV121JV	SMD	.063W	5%	120 Ω
R8746	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8747	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8750	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8751	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8765	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8767	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8768	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8770	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8802	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8803	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R8804	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R8805	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R8806	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R8807	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R8808	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8855	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8856	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8857	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8858	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8859	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8860	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8862	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8864	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8898	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8899	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8954	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8959	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8960	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8963	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
CAPACITORS					
C801	F1J1H105A830	S.M.CAP	50V		1000nF
C802	ECJ2VF1H224Z	S.M.CAP	50V		220nF
C804	ECJ2VB1H182K	S.M.CAP	50V		1.8nF
C805	F1J1H222A834	S.M.CAP	50V		2.2nF
C806	ECJ2VF1H104Z	S.M.CAP	50V		100nF
C807	ECKCNA101MB7	CERAMIC	250V		100pF
C808	ECKCNA331MB7	CERAMIC	250V		330pF
C809	F2A1H100A165	ELECT	50V		10μF
C810	F1J1H223A834	S.M.CAP	50V		22nF
C811	ECKCNA101MB7	CERAMIC	250V		100pF
C812	ECQU2A334BN9	FILM	275V		330nF

Cct Ref	Parts Number	Description			
C814	ECQU2A224BN9	FILM	250V		220nF
C815	ECKW3D151KBP	SMD	2KV		150pF
C816	ECKWBE472ZER	CERAMIC	250V		4.7nF
C817	ECKWBE472ZER	CERAMIC	250V		4.7nF
C818	ECQU2A224BN9	FILM	250V		220nF
C819	ECKWBE472ZER	CERAMIC	250V		4.7nF
C820	ECKWBE472ZER	CERAMIC	250V		4.7nF
C822	ECQE6474JFB	FILM	630V		470nF
C825	F2A2W151A169	ELECT	450V		150μF
C828	F1J1H332A834	S.M.CAP	50V		3.3nF
C829	F1J1H122A847	S.M.CAP	50V		1.2nF
C830	ECKWBE472ZER	CERAMIC	250V		4.7nF
C831	ECKWBE472ZER	CERAMIC	250V		4.7nF
C832	F1J1H224A736	S.M.CAP	50V		220nF
C833	ECJ4YB1C106K	S.M.CAP	16V		10μF
C834	F1J1E2250001	S.M.CAP	25V		2.2μF
C835	F2A1H220A182	ELECT	50V		22μF
C836	ECJ2VB1H122K	S.M.CAP	50V		1.2nF
C837	F1L1H335A098	S.M.CAP	50V		3.3μF
C838	ECKWBE472ZER	CERAMIC	250V		4.7nF
C839	ECKWBE472ZER	CERAMIC	250V		4.7nF
C840	F2A2W6R8A176	ELECT	450V		6.8μF
C841	F1J1H104A835	S.M.CAP	50V		100nF
C843	F2A1H100A165	ELECT	50V		10μF
C845	F1J1H223A834	S.M.CAP	50V		22nF
C846	F1J1H104A835	S.M.CAP	50V		100nF
C847	F2A1H100A165	ELECT	50V		10μF
C849	ECKC3D221JB	CERAMIC	2KV		220pF
C850	ECKC3D221JB	CERAMIC	2KV		220pF
C851	F2A1H101A493	ELECT	50V		100μF
C853	ECKW3A472KBP	CERAMIC	1KV		4.7nF
C854	ECWH8273HVB	METAL	800V		27nF
C855	F1J1H104A835	S.M.CAP	50V		100nF
C856	ECKCNA152ME7	CERAMIC	400V		1.5nF
C858	ECKW3D331KBP	CERAMIC	2KV		330pF
C860	F1J1H105A830	S.M.CAP	50V		1000nF
C861	F2A1C1020112	ELECT	16V		1000μF
C862	F1J1H103A834	S.M.CAP	50V		10nF
C865	F2A1C1020112	ELECT	16V		1000μF
C866	F2A1V1020093	ELECT	35V		1000μF
C867	F2A1V1020093	ELECT	35V		1000μF
C869	F2A1V1020093	ELECT	35V		1000μF
C873	F1H1A1050032	S.M.CAP	10V		1000nF
C874	F1J1H104A835	S.M.CAP	50V		100nF
C877	F1J1H104A835	S.M.CAP	50V		100nF
C878	F1J1H104A835	S.M.CAP	50V		100nF
C879	F1J1H104A835	S.M.CAP	50V		100nF
C880	F1J1H105A830	S.M.CAP	50V		1000nF
C1009	F1G1A105A047	S.M.CAP	10V		1000nF
C1040	F1G1H102A730	S.M.CAP	50V		1nF
C1041	F1G1H102A730	S.M.CAP	50V		1nF
C1043	F1G1H102A730	S.M.CAP	50V		1nF
C1044	F1G1H102A730	S.M.CAP	50V		1nF
C1045	F1G1H102A730	S.M.CAP	50V		1nF
C1047	F1G1H102A730	S.M.CAP	50V		1nF
C1050	F1G1H102A730	S.M.CAP	50V		1nF
C1051	F1G1H102A730	S.M.CAP	50V		1nF
C1052	F1G1H102A730	S.M.CAP	50V		1nF
C1053	F1G1H102A730	S.M.CAP	50V		1nF
C1102	F1J1A106A043	S.M.CAP	10V		10μF
C1103	F1G1C104A116	S.M.CAP	16V		100nF
C1104	F1G1C104A116	S.M.CAP	16V		100nF
C1105	F1H1A1050032	S.M.CAP	10V		1000nF
C1106	F1H1H330A971	S.M.CAP	50V		33pF
C1107	F1G1H220A731	S.M.CAP	50V		22pF
C1108	F1G1C104A116	S.M.CAP	16V		100nF
C1109	F1H1A1050032	S.M.CAP	10V		1000nF
C1111	F1H1A1050032	S.M.CAP	10V		1000nF

Cct Ref	Parts Number	Description		
C1112	F1G1C104A116	S.M.CAP	16V	100nF
C1114	F1G1C104A116	S.M.CAP	16V	100nF
C1117	F1G1C104A116	S.M.CAP	16V	100nF
C1122	F1G1E103A123	S.M.CAP	25V	10nF
C1123	F1H1A1050032	S.M.CAP	10V	1000nF
C2023	F1G1C104A116	S.M.CAP	16V	100nF
C2049	F1G1C104A116	S.M.CAP	16V	100nF
C2050	F1G1C104A116	S.M.CAP	16V	100nF
C2055	F1G1H120A731	S.M.CAP	50V	12pF
C2056	F1G1H180A731	S.M.CAP	50V	18pF
C2058	F1G1C104A116	S.M.CAP	16V	100nF
C2059	F1J1A106A043	S.M.CAP	10V	10μF
C2091	F1G1H470A731	S.M.CAP	50V	47pF
C2092	F1G1H220A731	S.M.CAP	50V	22pF
C2096	F1G1C104A116	S.M.CAP	16V	100nF
C2098	EEEHBJ221UP	ELECT	6.3V	220μF
C2099	EEEHBJ221UP	ELECT	6.3V	220μF
C2102	F1G1C104A116	S.M.CAP	16V	100nF
C2105	F1G1C104A116	S.M.CAP	16V	100nF
C2106	F1G1C104A116	S.M.CAP	16V	100nF
C2107	F1J1A106A043	S.M.CAP	10V	10μF
C2108	F1J1A106A043	S.M.CAP	10V	10μF
C2109	F1G1C104A116	S.M.CAP	16V	100nF
C2110	F1G1C104A116	S.M.CAP	16V	100nF
C2111	F1J1A475A039	S.M.CAP	10V	4.7μF
C2112	F1J1A106A043	S.M.CAP	10V	10μF
C2113	F1J1A106A043	S.M.CAP	10V	10μF
C2114	F1G1C104A116	S.M.CAP	16V	100nF
C2115	F1G1C104A116	S.M.CAP	16V	100nF
C2117	F1G1C104A116	S.M.CAP	16V	100nF
C2118	F1J1A475A039	S.M.CAP	10V	4.7μF
C2120	F1G1H560A731	S.M.CAP	50V	56pF
C2121	F1G1H560A731	S.M.CAP	50V	56pF
C2122	F1G1C103A116	S.M.CAP	16V	10nF
C2123	F1G1C103A116	S.M.CAP	16V	10nF
C2124	F1G1C104A116	S.M.CAP	16V	100nF
C2125	F1G1C103A116	S.M.CAP	16V	10nF
C2127	F1G1C103A116	S.M.CAP	16V	10nF
C2128	F1G1C103A116	S.M.CAP	16V	10nF
C2129	F1G1C103A116	S.M.CAP	16V	10nF
C2135	F1G1C103A116	S.M.CAP	16V	10nF
C2136	F1G1C103A116	S.M.CAP	16V	10nF
C2137	F1J1A106A043	S.M.CAP	10V	10μF
C2192	F1J1A106A043	S.M.CAP	10V	10μF
C2216	F1G1C104A116	S.M.CAP	16V	100nF
C2244	F1G1C104A116	S.M.CAP	16V	100nF
C2245	F1G1H102A730	S.M.CAP	50V	1nF
C2251	F1J1A106A043	S.M.CAP	10V	10μF
C2261	F1J1A106A043	S.M.CAP	10V	10μF
C2262	F1J1A106A043	S.M.CAP	10V	10μF
C2263	F1J1A106A043	S.M.CAP	10V	10μF
C2264	F1J1A106A043	S.M.CAP	10V	10μF
C2301	F1G1C104A116	S.M.CAP	16V	100nF
C2302	F1G1C104A116	S.M.CAP	16V	100nF
C2303	F1J1E105A171	S.M.CAP	25V	1μF
C2305	F1J1E105A171	S.M.CAP	25V	1μF
C2309	F1J1E105A171	S.M.CAP	25V	1μF
C2313	F1H1A1050032	S.M.CAP	10V	1000nF
C2317	F1H1H104A970	S.M.CAP	50V	100nF
C2319	F1H1H104A970	S.M.CAP	50V	100nF
C2321	F1H1H104A970	S.M.CAP	50V	100nF
C2323	F1H1H104A970	S.M.CAP	50V	100nF
C2325	F1J1H474A757	S.M.CAP	50V	470nF
C2331	F1J1H474A757	S.M.CAP	50V	470nF
C2333	F1H1E104A129	S.M.CAP	25V	100nF
C2335	F1H1E104A129	S.M.CAP	25V	100nF
C2337	F1H1H223A970	S.M.CAP	50V	22nF
C2339	F1H1H223A970	S.M.CAP	50V	22nF

Cct Ref	Parts Number	Description		
C2341	F1H1E104A129	S.M.CAP	25V	100nF
C2343	F1H1E104A129	S.M.CAP	25V	100nF
C2345	F1H1H223A970	S.M.CAP	50V	22nF
C2347	F1H1H223A970	S.M.CAP	50V	22nF
C2353	F1G1H102A730	S.M.CAP	50V	1nF
C2359	F1G1H102A730	S.M.CAP	50V	1nF
C2361	F2G1E4710007	ELECT	25V	470μF
C2362	F1K1E106A136	S.M.CAP	25V	10μF
C2375	F1H1H223A970	S.M.CAP	50V	22nF
C2377	F1H1H223A970	S.M.CAP	50V	22nF
C2379	F1H1H223A970	S.M.CAP	50V	22nF
C2381	F1H1H223A970	S.M.CAP	50V	22nF
C2383	F1G1H102A730	S.M.CAP	50V	1nF
C2385	F1G1H102A730	S.M.CAP	50V	1nF
C2387	F1G1H102A730	S.M.CAP	50V	1nF
C2389	F1G1H102A730	S.M.CAP	50V	1nF
C2390	F1J1E105A171	S.M.CAP	25V	1μF
C2501	F2G0J470A019	ELECT	6.3V	47μF
C2502	F1G1C103A116	S.M.CAP	16V	10nF
C2505	F1H1C104A143	S.M.CAP	16V	100nF
C2506	F2G0J220A019	ELECT	6.3V	22μF
C2750	F1G1C104A116	S.M.CAP	16V	100nF
C2751	F1G1H102A730	S.M.CAP	50V	1nF
C2752	F1G1H102A730	S.M.CAP	50V	1nF
C2753	F1G1H102A730	S.M.CAP	50V	1nF
C2754	F1G1H102A730	S.M.CAP	50V	1nF
C2755	F1G1H102A730	S.M.CAP	50V	1nF
C2756	F1G1H102A730	S.M.CAP	50V	1nF
C2757	F1G1H102A730	S.M.CAP	50V	1nF
C2758	F1H1E104A129	S.M.CAP	25V	100nF
C2759	F1G1C104A116	S.M.CAP	16V	100nF
C2760	F1K1C1060004	S.M.CAP	16V	10μF
C2761	F1G1C104A116	S.M.CAP	16V	100nF
C2763	F1G1H102A730	S.M.CAP	50V	1nF
C2766	F1G1C104A116	S.M.CAP	16V	100nF
C2780	F1G1H101A731	S.M.CAP	50V	100pF
C2902	F1H1H222A970	S.M.CAP	50V	2.2nF
C2906	F1H1C104A143	S.M.CAP	16V	100nF
C2907	F1H1C104A143	S.M.CAP	16V	100nF
C2908	F1G1C104A116	S.M.CAP	16V	100nF
C2909	F1H1A1050032	S.M.CAP	10V	1000nF
C2912	F2H0J1010009	ELECT	6.3V	100μF
C2914	F1H1H104A970	S.M.CAP	50V	100nF
C2916	F1H1C104A143	S.M.CAP	16V	100nF
C2920	F1H1H103A970	S.M.CAP	50V	10nF
C2922	F1H1C104A143	S.M.CAP	16V	100nF
C2923	F1H1C104A143	S.M.CAP	16V	100nF
C2927	F1H1H100A971	S.M.CAP	50V	10pF
C2928	F1H1H100A971	S.M.CAP	50V	10pF
C2929	F1G1H102A730	S.M.CAP	50V	1nF
C2937	F1G1H103A735	S.M.CAP	50V	10nF
C2942	F1H1H102A970	S.M.CAP	50V	1nF
C2943	F1H1H102A970	S.M.CAP	50V	1nF
C3002	F1G1H561A730	S.M.CAP	50V	560pF
C3003	F1G1H561A730	S.M.CAP	50V	560pF
C3004	F1G1H561A730	S.M.CAP	50V	560pF
C3005	F1G1H561A730	S.M.CAP	50V	560pF
C3007	F1G1H561A730	S.M.CAP	50V	560pF
C3008	F1G1H561A730	S.M.CAP	50V	560pF
C3009	F1G1H561A730	S.M.CAP	50V	560pF
C3010	F1G1H561A730	S.M.CAP	50V	560pF
C3011	F1G1H561A730	S.M.CAP	50V	560pF
C3012	F1G1H561A730	S.M.CAP	50V	560pF
C3013	F1G1H561A730	S.M.CAP	50V	560pF
C3014	F1G1H561A730	S.M.CAP	50V	560pF
C3018	F1J1A106A043	S.M.CAP	10V	10μF
C3019	F1J1A106A043	S.M.CAP	10V	10μF
C3020	F1J1A106A043	S.M.CAP	10V	10μF

Cct Ref	Parts Number	Description		
C3021	F1J1A106A043	S.M.CAP	10V	10μF
C3022	F1H1A1050032	S.M.CAP	10V	1000nF
C3023	F1G1C104A116	S.M.CAP	16V	100nF
C3024	F1H1A1050032	S.M.CAP	10V	1000nF
C3025	F1H1A1050032	S.M.CAP	10V	1000nF
C3026	F1H1A1050032	S.M.CAP	10V	1000nF
C3027	F1J1A106A043	S.M.CAP	10V	10μF
C3028	F1J1A106A043	S.M.CAP	10V	10μF
C3029	F1J1A106A043	S.M.CAP	10V	10μF
C3030	F1J1A106A043	S.M.CAP	10V	10μF
C3039	F1H1A1050032	S.M.CAP	10V	1000nF
C3041	F1H1A1050032	S.M.CAP	10V	1000nF
C3043	F1H1A1050032	S.M.CAP	10V	1000nF
C3044	F1H1A1050032	S.M.CAP	10V	1000nF
C3046	F1H1A1050032	S.M.CAP	10V	1000nF
C3047	F1H1A1050032	S.M.CAP	10V	1000nF
C3048	F1H1A1050032	S.M.CAP	10V	1000nF
C3049	F1H1A1050032	S.M.CAP	10V	1000nF
C3064	F1G1H102A730	S.M.CAP	50V	1nF
C3065	F1G1H102A730	S.M.CAP	50V	1nF
C3070	F1J1A106A043	S.M.CAP	10V	10μF
C3071	F1J1A106A043	S.M.CAP	10V	10μF
C3072	F1G1C104A116	S.M.CAP	16V	100nF
C3073	F1J1A106A043	S.M.CAP	10V	10μF
C3074	F1J1A106A043	S.M.CAP	10V	10μF
C3075	F1H1A1050032	S.M.CAP	10V	1000nF
C3077	F1G1C104A116	S.M.CAP	16V	100nF
C3078	F1J1A106A043	S.M.CAP	10V	10μF
C3083	F1J1A106A043	S.M.CAP	10V	10μF
C3084	F1J1A106A043	S.M.CAP	10V	10μF
C3085	F1J1A106A043	S.M.CAP	10V	10μF
C3086	F1J1A106A043	S.M.CAP	10V	10μF
C3087	F1J1A106A043	S.M.CAP	10V	10μF
C3088	F1J1A106A043	S.M.CAP	10V	10μF
C3089	F1J1A106A043	S.M.CAP	10V	10μF
C3090	F1J1A106A043	S.M.CAP	10V	10μF
C3091	F1J1A106A043	S.M.CAP	10V	10μF
C3092	F1J1A106A043	S.M.CAP	10V	10μF
C3095	F2G1A101A019	ELECT	10V	100μF
C3097	F2G1A101A019	ELECT	10V	100μF
C3102	F2G1A101A019	ELECT	10V	100μF
C3103	F2G1A101A019	ELECT	10V	100μF
C3107	F1J1A106A043	S.M.CAP	10V	10μF
C3108	F1J1A106A043	S.M.CAP	10V	10μF
C3109	F1J1A106A043	S.M.CAP	10V	10μF
C3114	F1J1A106A043	S.M.CAP	10V	10μF
C3115	F1J1A106A043	S.M.CAP	10V	10μF
C3116	F1J1A106A043	S.M.CAP	10V	10μF
C3117	F1J1A106A043	S.M.CAP	10V	10μF
C3139	F1G1C104A116	S.M.CAP	16V	100nF
C3140	F1G1C104A116	S.M.CAP	16V	100nF
C3141	F1G1C104A116	S.M.CAP	16V	100nF
C3143	F1G1C104A116	S.M.CAP	16V	100nF
C3144	F1J1A106A043	S.M.CAP	10V	10μF
C3145	F1G1C104A116	S.M.CAP	16V	100nF
C3146	F1J1A106A043	S.M.CAP	10V	10μF
C3147	F1J1A106A043	S.M.CAP	10V	10μF
C3260	F1G1H561A730	S.M.CAP	50V	560pF
C3261	F1G1H561A730	S.M.CAP	50V	560pF
C3262	F1G1H561A730	S.M.CAP	50V	560pF
C3263	F1G1H561A730	S.M.CAP	50V	560pF
C3701	F1H1H102A970	S.M.CAP	50V	1nF
C3703	F1H1H102A970	S.M.CAP	50V	1nF
C3704	F1H1H392A970	S.M.CAP	50V	3900nF
C3706	F1H1H392A970	S.M.CAP	50V	3900nF
C4239	F1J1A106A043	S.M.CAP	10V	10μF
C4240	F1J1A106A043	S.M.CAP	10V	10μF
C4241	F2G0J220A019	ELECT	6.3V	22μF

Cct Ref	Parts Number	Description		
C4243	F1G1C104A116	S.M.CAP	16V	100nF
C4250	F1H1H103A970	S.M.CAP	50V	10nF
C4251	F1H1H103A970	S.M.CAP	50V	10nF
C4252	F2G1C470A022	ELECT	16V	47μF
C4500	F1G1C104A116	S.M.CAP	16V	100nF
C4501	F1G1C104A116	S.M.CAP	16V	100nF
C4502	F1G1C104A116	S.M.CAP	16V	100nF
C4503	F1G1C104A116	S.M.CAP	16V	100nF
C4533	F1G1H680A731	S.M.CAP	50V	68pF
C4534	F1G1C104A116	S.M.CAP	16V	100nF
C4535	F1G1C104A116	S.M.CAP	16V	100nF
C4537	F1G1C104A116	S.M.CAP	16V	100nF
C4547	F1G1C104A116	S.M.CAP	16V	100nF
C4548	F1G1C104A116	S.M.CAP	16V	100nF
C4549	F1G1C104A116	S.M.CAP	16V	100nF
C4550	F1G1C104A116	S.M.CAP	16V	100nF
C4551	F1G1C104A116	S.M.CAP	16V	100nF
C4552	F1G1C104A116	S.M.CAP	16V	100nF
C4553	F1G1H102A730	S.M.CAP	50V	1nF
C4554	F2G1C470A022	ELECT	16V	47μF
C4555	F1J1A106A043	S.M.CAP	10V	10μF
C4567	F1G1C104A116	S.M.CAP	16V	100nF
C4574	F1G1C104A116	S.M.CAP	16V	100nF
C4575	F1G1C104A116	S.M.CAP	16V	100nF
C4580	F1G1C104A116	S.M.CAP	16V	100nF
C4585	F1G1C104A116	S.M.CAP	16V	100nF
C4595	F1G1C104A116	S.M.CAP	16V	100nF
C4598	F1J1A106A043	S.M.CAP	10V	10μF
C4599	F1J1A106A043	S.M.CAP	10V	10μF
C4600	F1G1C104A116	S.M.CAP	16V	100nF
C4601	F1J1A106A043	S.M.CAP	10V	10μF
C4602	F1G1C104A116	S.M.CAP	16V	100nF
C4603	F1J1A475A039	S.M.CAP	10V	4.7μF
C4605	F1J1A475A039	S.M.CAP	10V	4.7μF
C4606	F1J1A475A039	S.M.CAP	10V	4.7μF
C4607	F1J1A475A039	S.M.CAP	10V	4.7μF
C4608	F1G1C104A116	S.M.CAP	16V	100nF
C4613	F1H0J1050012	S.M.CAP	6.3V	1000nF
C4616	F1J1A475A039	S.M.CAP	10V	4.7μF
C4617	F1J1A475A039	S.M.CAP	10V	4.7μF
C4624	F1G1C104A116	S.M.CAP	16V	100nF
C4625	F1G1C104A116	S.M.CAP	16V	100nF
C4626	F1G1C104A116	S.M.CAP	16V	100nF
C4628	F1G1C104A116	S.M.CAP	16V	100nF
C4629	F1G1C104A116	S.M.CAP	16V	100nF
C4630	F1G1C104A116	S.M.CAP	16V	100nF
C4631	F1J1A106A043	S.M.CAP	10V	10μF
C4632	F1G1C104A116	S.M.CAP	16V	100nF
C4633	F1J1A106A043	S.M.CAP	10V	10μF
C4634	F1G1C104A116	S.M.CAP	16V	100nF
C4635	F1J1A106A043	S.M.CAP	10V	10μF
C4636	F1G1C104A116	S.M.CAP	16V	100nF
C4637	F1G1C104A116	S.M.CAP	16V	100nF
C4638	F1G1C104A116	S.M.CAP	16V	100nF
C4640	F1G1C104A116	S.M.CAP	16V	100nF
C4642	F1G1C104A116	S.M.CAP	16V	100nF
C4643	F1G1C104A116	S.M.CAP	16V	100nF
C4644	F1G1C104A116	S.M.CAP	16V	100nF
C4645	F1G1C104A116	S.M.CAP	16V	100nF
C5408	F1J1A106A043	S.M.CAP	10V	10μF
C5410	F1J1E105A171	S.M.CAP	25V	1μF
C5414	F1J1E105A171	S.M.CAP	25V	1μF
C5415	F1J1E105A171	S.M.CAP	25V	1μF
C5421	F1J1A106A043	S.M.CAP	10V	10μF
C5431	F1J1E105A171	S.M.CAP	25V	1μF
C5441	F2G1C100A022	ELECT	16V	10μF
C5443	F2G1V100A020	ELECT	35V	10μF
C5444	F1H1H102A970	S.M.CAP	50V	1nF

Cct Ref	Parts Number	Description		
C5464	F1H1A1050032	S.M.CAP	10V	1000nF
C5480	F1G1C103A116	S.M.CAP	16V	10nF
C5481	F1H1A1050032	S.M.CAP	10V	1000nF
C5483	F1J1A106A043	S.M.CAP	10V	10μF
C5486	F1G1C473A081	S.M.CAP	16V	47nF
C5487	F1H1C105A008	S.M.CAP	16V	1000nF
C5488	F1G1C473A081	S.M.CAP	16V	47nF
C5489	F1J1A106A043	S.M.CAP	10V	10μF
C5492	F1G1C104A116	S.M.CAP	16V	100nF
C5493	F1H1A1050032	S.M.CAP	10V	1000nF
C5494	F1H1C105A145	S.M.CAP	16V	1000nF
C5602	F2H0J1010009	ELECT	6.3V	100μF
C5603	F1G1C104A116	S.M.CAP	16V	100nF
C5604	ECJ0EB1E682K	S.M.CAP	25V	6.8nF
C5605	F1J1A475A039	S.M.CAP	10V	4.7μF
C5606	F1H1C105A145	S.M.CAP	16V	1000nF
C5607	F1G1H221A459	S.M.CAP	50V	220pF
C5611	F1K1C1060004	S.M.CAP	16V	10μF
C5612	F1K1C1060004	S.M.CAP	16V	10μF
C5615	F1K1C1060004	S.M.CAP	16V	10μF
C5616	F1G1C273A081	S.M.CAP	16V	27nF
C5618	F1K1C1060004	S.M.CAP	16V	10μF
C5619	F1K1C1060004	S.M.CAP	16V	10μF
C5620	F1H1C104A143	S.M.CAP	16V	100nF
C5621	F1G1E103A123	S.M.CAP	25V	10nF
C5622	F1J1A475A039	S.M.CAP	10V	4.7μF
C5623	F1G1H221A459	S.M.CAP	50V	220pF
C5624	F1G1H471A730	S.M.CAP	50V	470pF
C5626	F1G1C104A116	S.M.CAP	16V	100nF
C5627	F1G1C104A116	S.M.CAP	16V	100nF
C5628	ECGRL0E680ER	ELECT	2.5V	68μF
C5629	ECGRL0E680ER	ELECT	2.5V	68μF
C5631	F2G1C470A022	ELECT	16V	47μF
C5632	F1H1C105A145	S.M.CAP	16V	1000nF
C5636	F1G1C104A116	S.M.CAP	16V	100nF
C5637	F1G1C104A116	S.M.CAP	16V	100nF
C5638	F1G1C104A116	S.M.CAP	16V	100nF
C5639	F1G1C104A116	S.M.CAP	16V	100nF
C5640	F1G1C104A116	S.M.CAP	16V	100nF
C5641	F1G1C104A116	S.M.CAP	16V	100nF
C5642	F1K1C1060004	S.M.CAP	16V	10μF
C5643	F1H1C104A143	S.M.CAP	16V	100nF
C5644	F1H1C105A145	S.M.CAP	16V	1000nF
C8003	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8005	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8006	F1G1C104A116	S.M.CAP	16V	100nF
C8007	F1G1C104A116	S.M.CAP	16V	100nF
C8008	F1G1C104A116	S.M.CAP	16V	100nF
C8009	F1J1A106A043	S.M.CAP	10V	10μF
C8010	F1J1A106A043	S.M.CAP	10V	10μF
C8011	F1G1C104A116	S.M.CAP	16V	100nF
C8012	F1G1C104A116	S.M.CAP	16V	100nF
C8013	F1G1C104A116	S.M.CAP	16V	100nF
C8014	F1G1C104A116	S.M.CAP	16V	100nF
C8015	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8016	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8017	F1J1A106A043	S.M.CAP	10V	10μF
C8018	F1G1C104A116	S.M.CAP	16V	100nF
C8019	F1G1C104A116	S.M.CAP	16V	100nF
C8020	F1G1C104A116	S.M.CAP	16V	100nF
C8021	F1G1C104A116	S.M.CAP	16V	100nF
C8022	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8023	F1J1A106A043	S.M.CAP	10V	10μF
C8024	F1J1A106A043	S.M.CAP	10V	10μF
C8025	F1G1C104A116	S.M.CAP	16V	100nF
C8026	F1G1C104A116	S.M.CAP	16V	100nF
C8027	F1G1C104A116	S.M.CAP	16V	100nF
C8028	F1G1C104A116	S.M.CAP	16V	100nF

Cct Ref	Parts Number	Description		
C8029	F1G1C104A116	S.M.CAP	16V	100nF
C8030	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8031	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8032	F1J1A106A043	S.M.CAP	10V	10μF
C8033	F1G1C104A116	S.M.CAP	16V	100nF
C8034	F1G1C104A116	S.M.CAP	16V	100nF
C8035	F1J1A106A043	S.M.CAP	10V	10μF
C8036	F1J1A106A043	S.M.CAP	10V	10μF
C8037	F1G1C104A116	S.M.CAP	16V	100nF
C8038	F1G1C104A116	S.M.CAP	16V	100nF
C8039	F1G1C104A116	S.M.CAP	16V	100nF
C8040	F1G1C104A116	S.M.CAP	16V	100nF
C8041	F1G1C104A116	S.M.CAP	16V	100nF
C8042	ECGRL0G680ER	ELECT	4V	68μF
C8043	F1G1C104A116	S.M.CAP	16V	100nF
C8044	F1G1C104A116	S.M.CAP	16V	100nF
C8045	F1G1C104A116	S.M.CAP	16V	100nF
C8046	F1G1C104A116	S.M.CAP	16V	100nF
C8047	F1G1C104A116	S.M.CAP	16V	100nF
C8048	F1G1C104A116	S.M.CAP	16V	100nF
C8049	F1G1C104A116	S.M.CAP	16V	100nF
C8050	F1G1C104A116	S.M.CAP	16V	100nF
C8051	F1G1C104A116	S.M.CAP	16V	100nF
C8052	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8053	F1G1C103A116	S.M.CAP	16V	10nF
C8054	F1G1H120A731	S.M.CAP	50V	12pF
C8055	F1G1HR50A577	S.M.CAP	50V	0.5pF
C8056	F1G1C104A116	S.M.CAP	16V	100nF
C8057	F1G1C104A116	S.M.CAP	16V	100nF
C8058	F1J1A106A043	S.M.CAP	10V	10μF
C8063	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8064	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8065	F1G1C104A116	S.M.CAP	16V	100nF
C8067	F1G1C104A116	S.M.CAP	16V	100nF
C8069	F1G1H102A730	S.M.CAP	50V	1nF
C8070	F1G1C104A116	S.M.CAP	16V	100nF
C8071	F1G1C104A116	S.M.CAP	16V	100nF
C8072	F1G1C104A116	S.M.CAP	16V	100nF
C8073	F1G1C104A116	S.M.CAP	16V	100nF
C8074	F1G1C104A116	S.M.CAP	16V	100nF
C8075	F1J1A106A043	S.M.CAP	10V	10μF
C8076	F1G1C104A116	S.M.CAP	16V	100nF
C8077	F1G1C104A116	S.M.CAP	16V	100nF
C8078	F1G1C104A116	S.M.CAP	16V	100nF
C8079	F1G1C104A116	S.M.CAP	16V	100nF
C8080	F1G1C104A116	S.M.CAP	16V	100nF
C8081	F1G1C104A116	S.M.CAP	16V	100nF
C8082	F1G1H102A730	S.M.CAP	50V	1nF
C8083	F1G1C104A116	S.M.CAP	16V	100nF
C8084	F1G1H102A730	S.M.CAP	50V	1nF
C8085	F1G1C104A116	S.M.CAP	16V	100nF
C8086	F1G1C104A116	S.M.CAP	16V	100nF
C8087	F1G1C104A116	S.M.CAP	16V	100nF
C8088	F1G1C104A116	S.M.CAP	16V	100nF
C8089	F1G1C104A116	S.M.CAP	16V	100nF
C8090	F1G1C104A116	S.M.CAP	16V	100nF
C8092	F1G1C104A116	S.M.CAP	16V	100nF
C8093	F1G1C104A116	S.M.CAP	16V	100nF
C8094	F1G1C104A116	S.M.CAP	16V	100nF
C8095	F1G1C104A116	S.M.CAP	16V	100nF
C8096	F1G1C104A116	S.M.CAP	16V	100nF
C8097	F1G1C104A116	S.M.CAP	16V	100nF
C8098	F1G1C104A116	S.M.CAP	16V	100nF
C8099	F1G1C104A116	S.M.CAP	16V	100nF
C8100	F1G1C104A116	S.M.CAP	16V	100nF
C8101	F1G1C104A116	S.M.CAP	16V	100nF
C8102	F1G1C104A116	S.M.CAP	16V	100nF
C8201	F1G1C104A116	S.M.CAP	16V	100nF

Cct Ref	Parts Number	Description		
C8202	F1G1C104A116	S.M.CAP	16V	100nF
C8306	F1G1A4740003	S.M.CAP	10V	470nF
C8307	F1G1C104A116	S.M.CAP	16V	100nF
C8309	F1G1C104A116	S.M.CAP	16V	100nF
C8311	F1G1H120A731	S.M.CAP	50V	12pF
C8312	F1G1H120A731	S.M.CAP	50V	12pF
C8313	F1G1C104A116	S.M.CAP	16V	100nF
C8314	F1G1C104A116	S.M.CAP	16V	100nF
C8316	F1G1C271A117	S.M.CAP	16V	270pF
C8317	F1G1C271A117	S.M.CAP	16V	270pF
C8319	F1G1C104A116	S.M.CAP	16V	100nF
C8320	F1G1C104A116	S.M.CAP	16V	100nF
C8321	F1G1C104A116	S.M.CAP	16V	100nF
C8327	F1H1A225A051	S.M.CAP	10V	2200nF
C8328	F1H1A1050032	S.M.CAP	10V	1000nF
C8329	F1G1C104A116	S.M.CAP	16V	100nF
C8330	F1G1C104A116	S.M.CAP	16V	100nF
C8331	F1G1C104A116	S.M.CAP	16V	100nF
C8332	F1G1C104A116	S.M.CAP	16V	100nF
C8333	F1G1C104A116	S.M.CAP	16V	100nF
C8334	F1G1C104A116	S.M.CAP	16V	100nF
C8335	F1G1C104A116	S.M.CAP	16V	100nF
C8336	F1G1C104A116	S.M.CAP	16V	100nF
C8340	F1G1C104A116	S.M.CAP	16V	100nF
C8343	F1G1C104A116	S.M.CAP	16V	100nF
C8344	F1G1C104A116	S.M.CAP	16V	100nF
C8345	F1G1C104A116	S.M.CAP	16V	100nF
C8346	F1G1C104A116	S.M.CAP	16V	100nF
C8405	F1G1C104A116	S.M.CAP	16V	100nF
C8408	F1G1C104A116	S.M.CAP	16V	100nF
C8409	F1G1C104A116	S.M.CAP	16V	100nF
C8410	F1G1C104A116	S.M.CAP	16V	100nF
C8411	F2G1A101A019	ELECT	10V	100μF
C8412	F1G1C104A116	S.M.CAP	16V	100nF
C8413	F1G1C104A116	S.M.CAP	16V	100nF
C8414	F1G1C104A116	S.M.CAP	16V	100nF
C8415	F1G1C104A116	S.M.CAP	16V	100nF
C8416	F1G1E103A123	S.M.CAP	25V	10nF
C8417	F1G1E103A123	S.M.CAP	25V	10nF
C8418	F1G1C104A116	S.M.CAP	16V	100nF
C8508	F1G1C103A116	S.M.CAP	16V	10nF
C8510	F1J1A106A043	S.M.CAP	10V	10μF
C8532	F2G1C470A022	ELECT	16V	47μF
C8533	F1G1C104A116	S.M.CAP	16V	100nF
C8535	F1G1C103A116	S.M.CAP	16V	10nF
C8544	F1J0G2260001	S.M.CAP	4V	22μF
C8580	F1G1C104A116	S.M.CAP	16V	100nF
C8581	F1G1C104A116	S.M.CAP	16V	100nF
C8582	F1G1C104A116	S.M.CAP	16V	100nF
C8583	F1G1C104A116	S.M.CAP	16V	100nF
C8584	F1G1C104A116	S.M.CAP	16V	100nF
C8619	F1G1H102A730	S.M.CAP	50V	1nF
C8800	F1G1H102A730	S.M.CAP	50V	1nF
TERMINALS AND LINKS				
.	K9ZZ00000424	EARTH LUG		
A01	K1KA04B00273	4P CONNECTOR		
A01-S01	TXJA01PBD-1	WIRE		
A03	K1KY23AA0607	23P CONNECTOR		
A04	K1KB11AA0032	11P CONNECTOR		
A10	K1KA08B00270	8P CONNECTOR		
A10-V10	TXJA10PBD-2	WIRE		
A11	K1KB51B00003	51P CONNECTOR		
A11-PAN	TXJA11PBD	LVDS WIRE		
A12	K1KA04AA0190	4P CONNECTOR		
A12-SPK	TXJA12PBD-1	WIRE		
A20	K1KA05A00466	5P CONNECTOR		
CN0100	K1KA08AA0714	8P CONNECTOR		

Cct Ref	Parts Number	Description	
D3015	K7AAAY000005	OPT TERMINAL	
G04	K1KA11A00124	11P CONNECTOR	
JK3002	K1FB121A0017	SCART TERMINAL	
JK3003	K1FB121A0017	SCART TERMINAL	
JK3100	K2HA7YYA0003	YUV TERMINAL_AUDIO I/O	
JK3700	K4AK16B00001	AV3 TERMINAL	
JK4500	K1FY119D0006	HDMI CONNECTOR	
JK4501	K1FY119D0006	HDMI CONNECTOR	
JK8302	K1NA09E00080	SD SLOT	
JK8401	K1NA68B00053	CI SLOT	
P1	K1KA02B00295	2P CONNECTOR	
P2	K1KA08AA0192	8P CONNECTOR	
P2/A20-I	TXJP2MPBD-1	P2/A20-INV WIRE	
P3	K1KY23AA0606	23P CONNECTOR	
P4	K1KA08AA0192	8P CONNECTOR	
P4-INV	TXJP4SPBD-1	WIRE	
V10	K1KA08B00270	8P CONNECTOR	
RELAYS			
RL801	K6B2ADA00007	RELAY	

Schematic Diagrams

IMPORTANT SAFETY NOTICE

Components identified by  mark have special characteristics important for safety. When replacing any of these components, use only manufacturers' specified parts.

NOTE

1. RESISTOR

All resistors are carbon $\frac{1}{4}W$ resistor, unless marked otherwise.

Unit of resistance is OHM (Ω) (k=1,000, M=1,000,000)

2. CAPACITORS

All capacitors are ceramic 50V unless marked otherwise.

Unit of capacitance is μF unless otherwise stated.

3. COIL

Unit of inductance is μH , unless otherwise stated.

4. TEST POINT



Test Point Position

5. EARTH SYMBOL



Chassis Earth (Cold)



Line Earth (Hot)

6. VOLTAGE MEASUREMENT

Voltage is measured by a D.C. voltmeter.

Measurement conditions are as follows:

Power source 220V-240V AC, 50Hz

Receiving Signal Colour Bar signal (RF)

All customer controls Maximum position

7.



Indicates the Video signal path



Indicates the Audio signal path

These schematic diagrams are the latest at time of printing and are subject to change without notice.

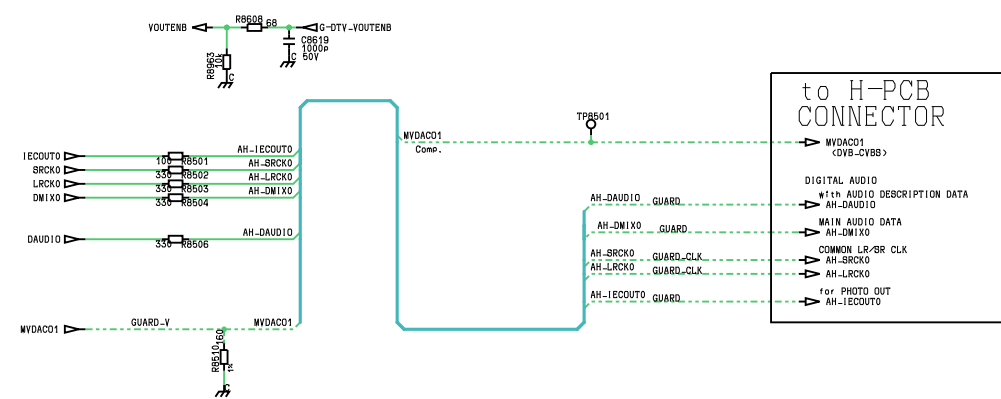
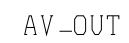
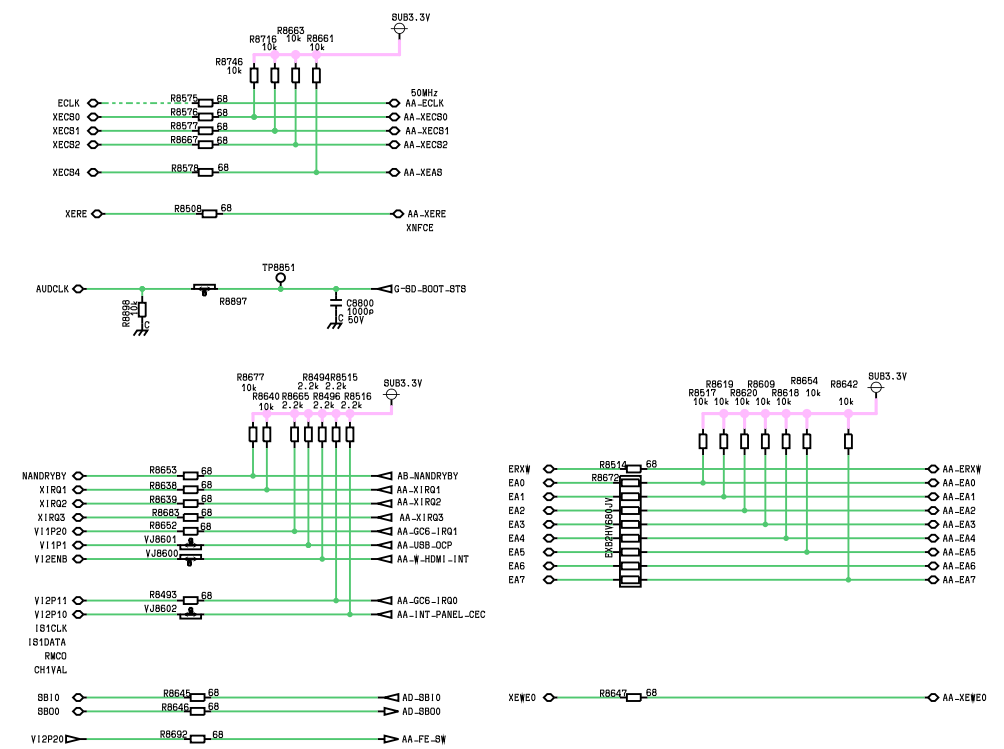
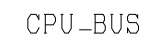
REMARKS

- Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
- Do not short circuit the hot and cold circuits as electrical components may be damaged.
- Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
- Make sure to disconnect the power plug before removing the chassis.

NOTE

- The Power Supply Circuit contains a circuit area, which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.



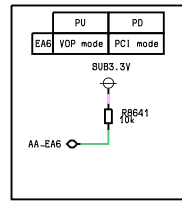




! A-BOARD TNP8EA102 (5/19)

SD-POWER

SUB3.3V SUB-SD-3.3V

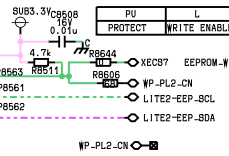


EEPROM

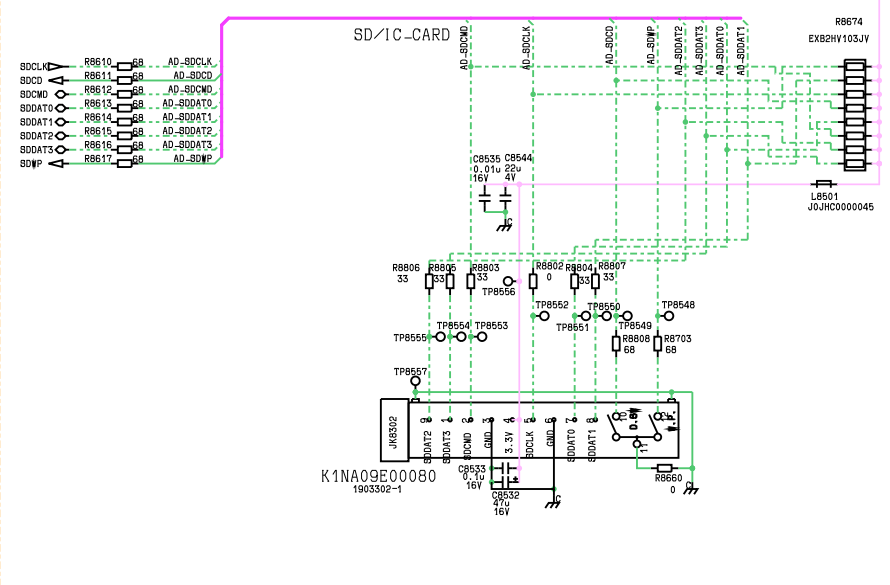
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C3EBGC000056

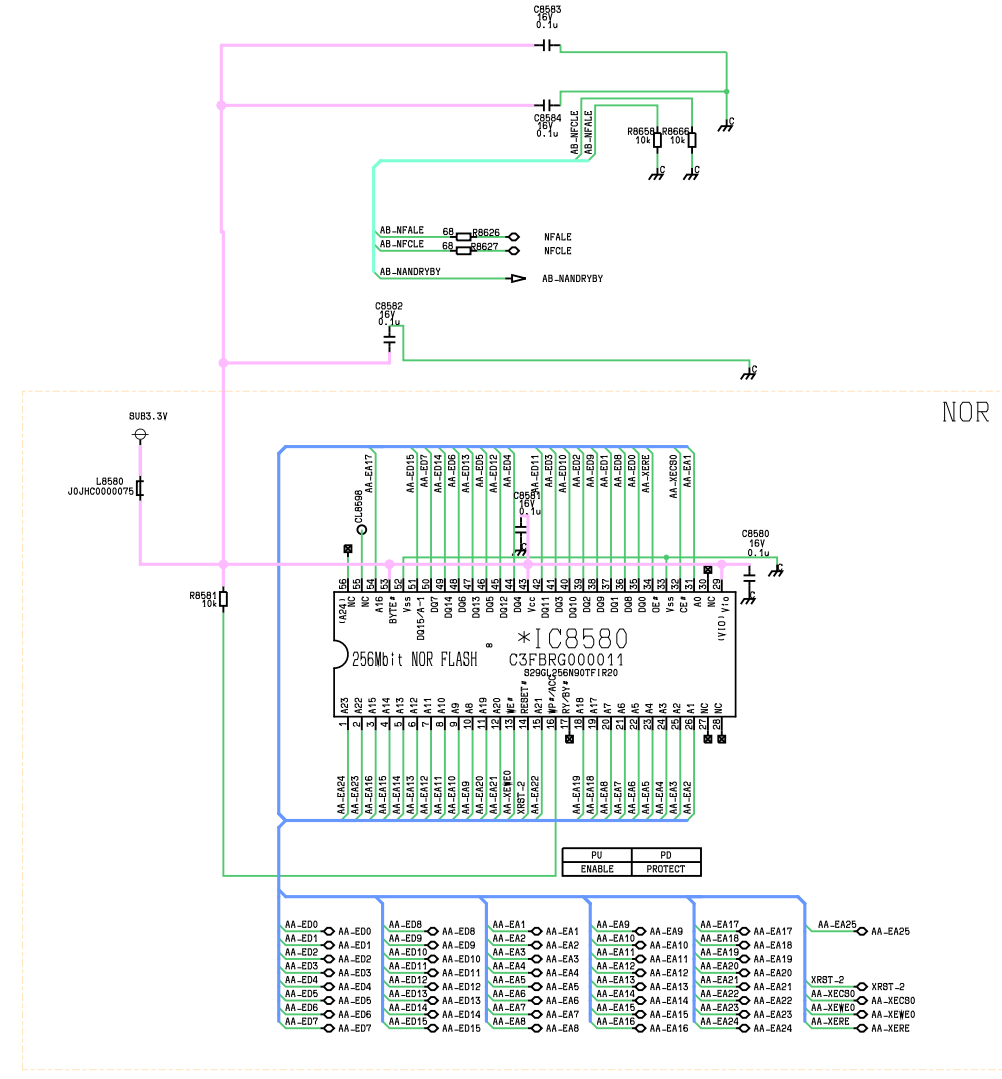
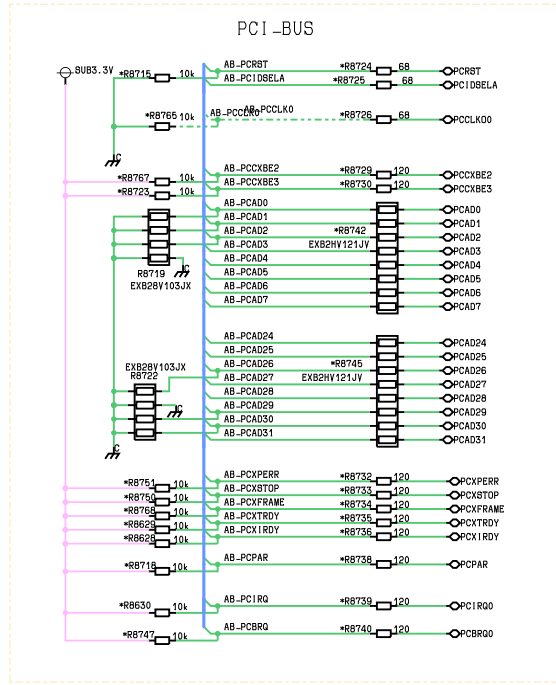
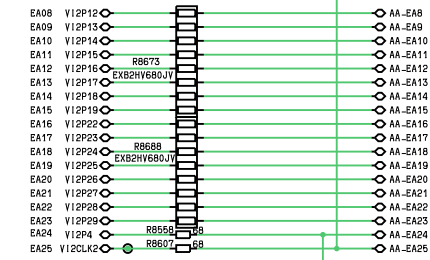
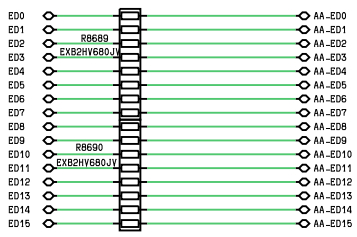
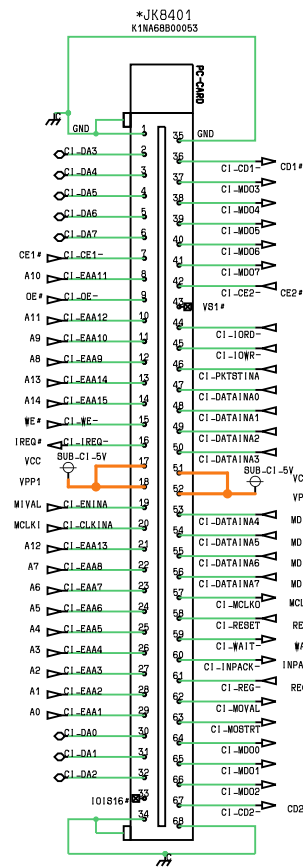
16K BIT

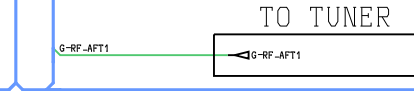
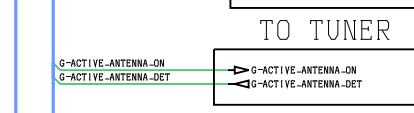
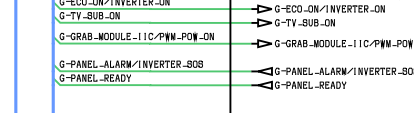
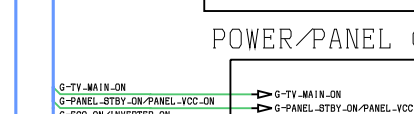
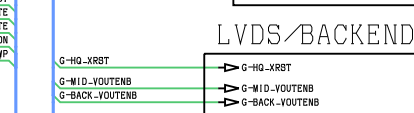
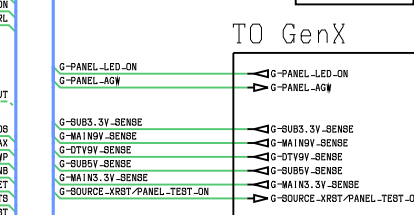
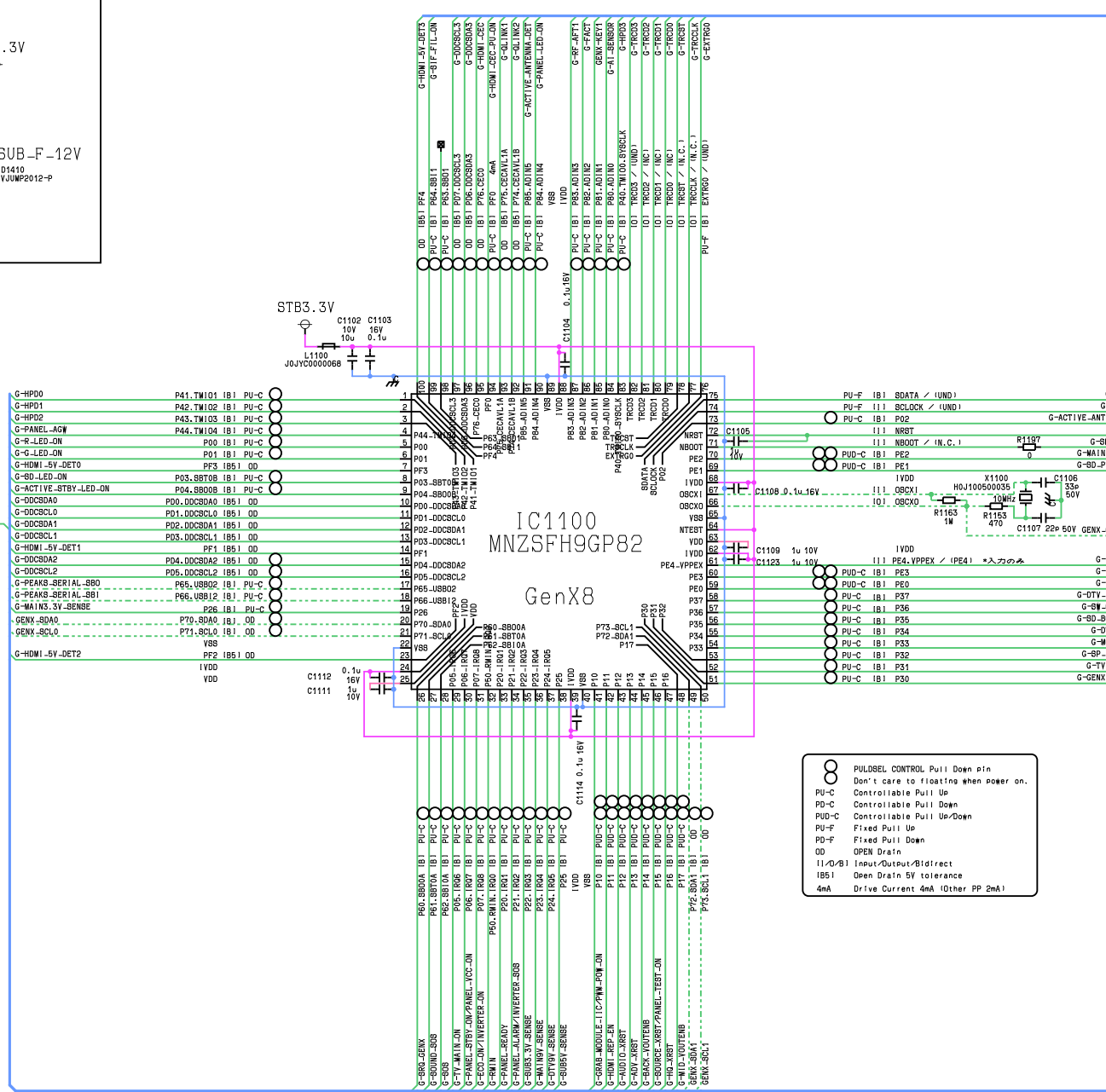
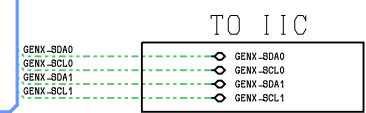
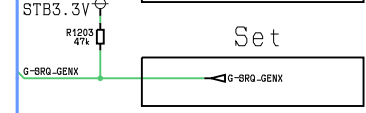
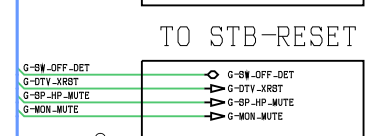
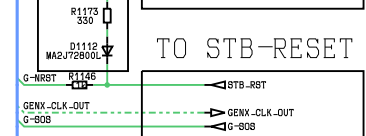
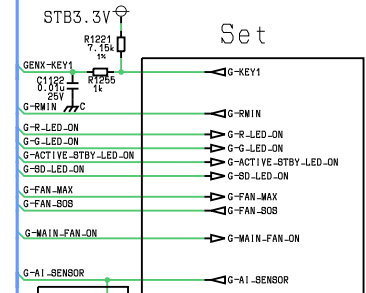
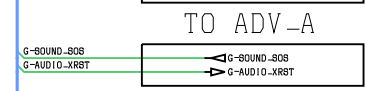
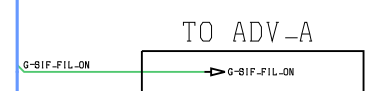
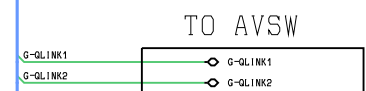
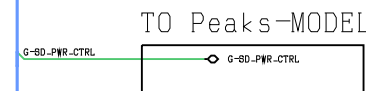
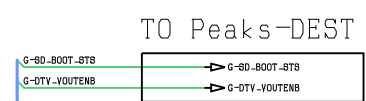
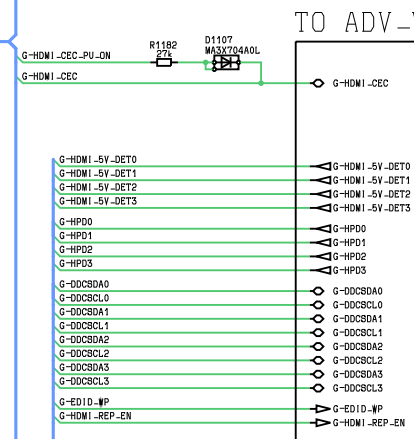
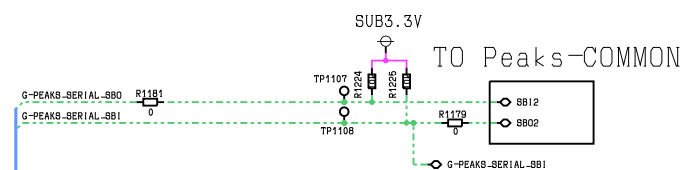
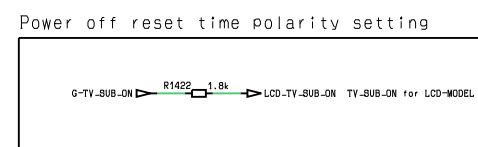
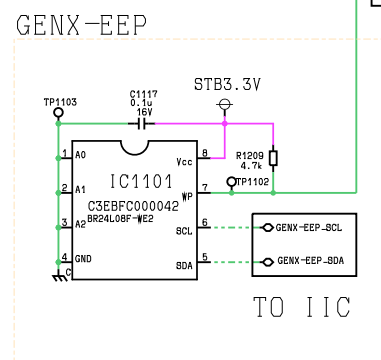
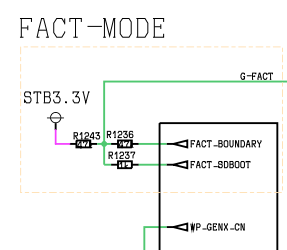
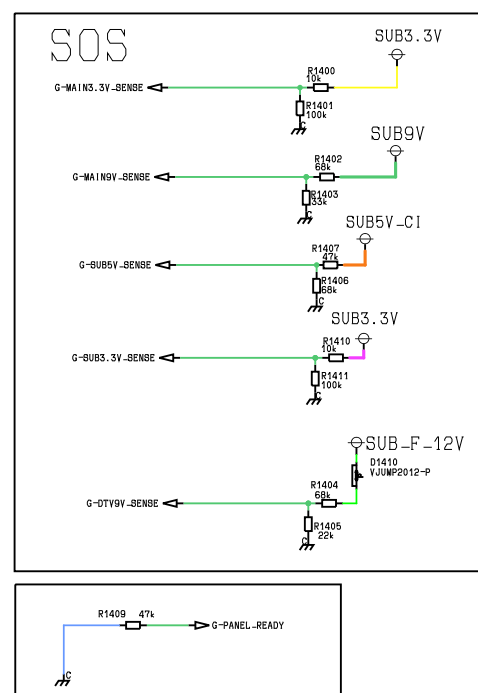


SD-IF

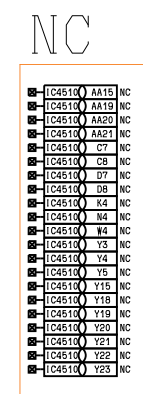


CI CONNECTOR

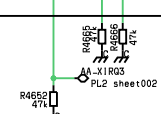


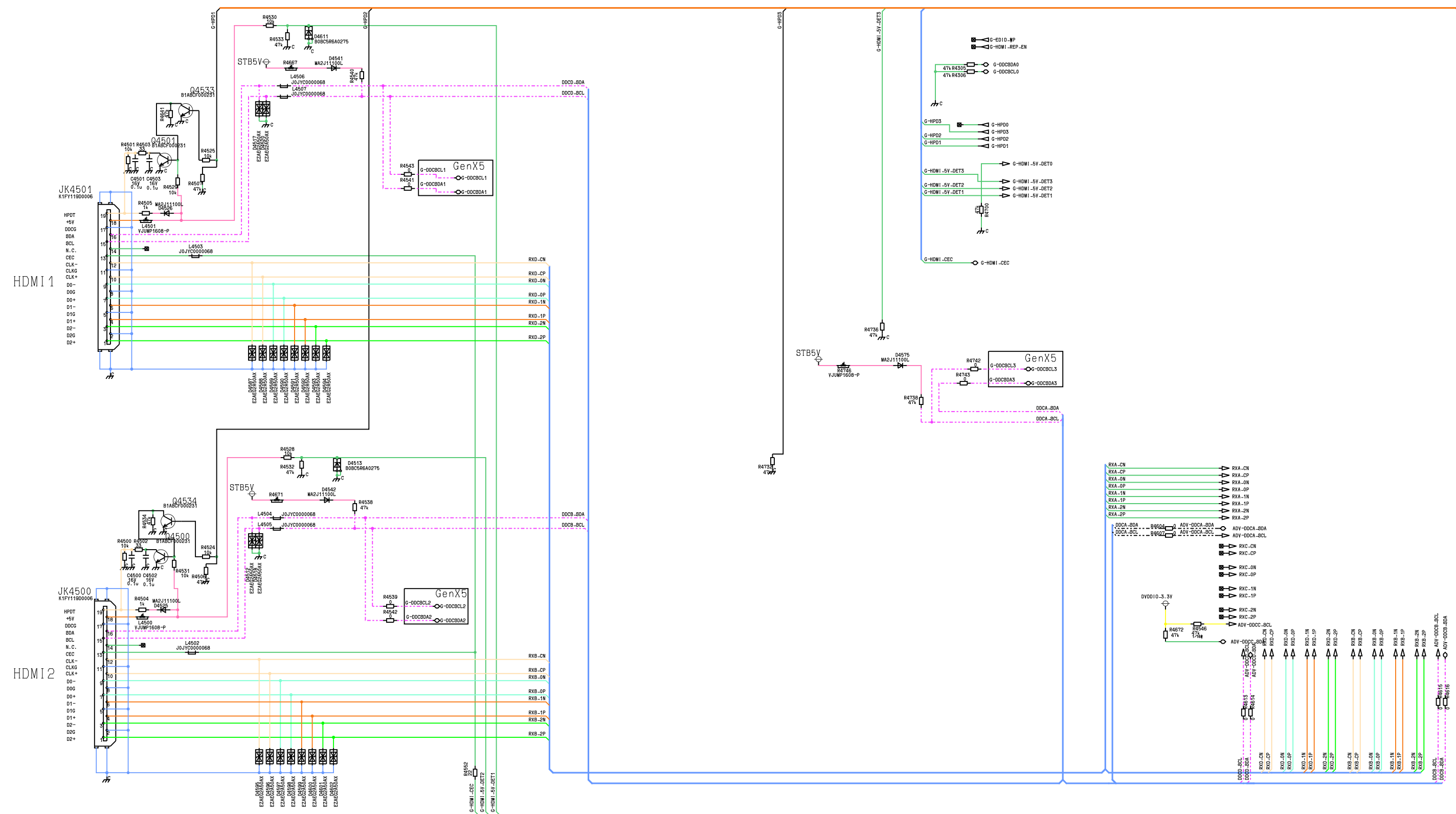


A vertical axis with tick marks and labels 1 through 12.

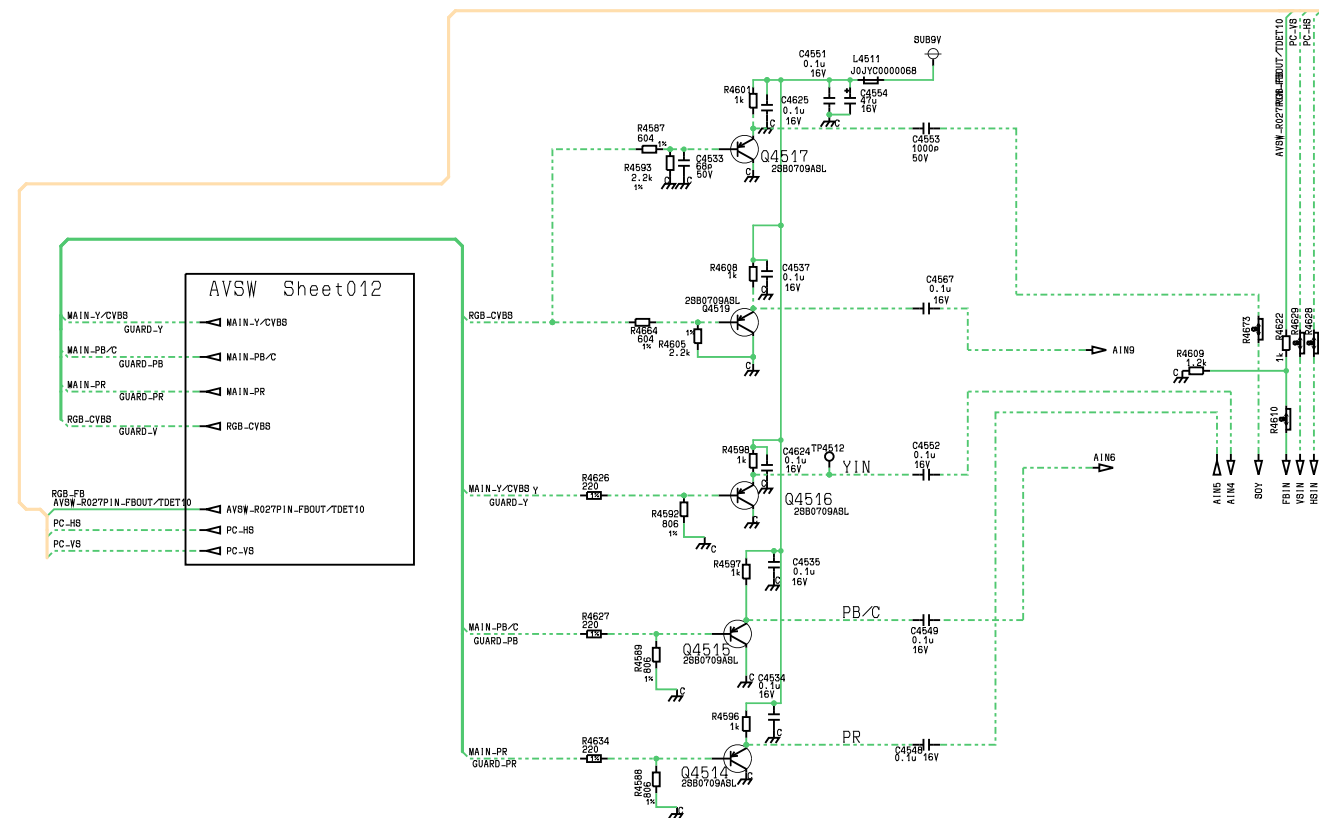
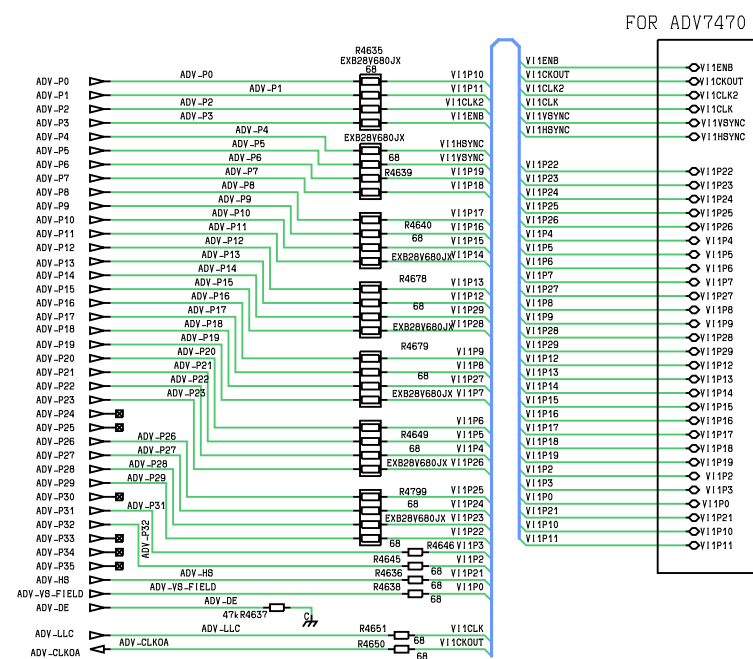


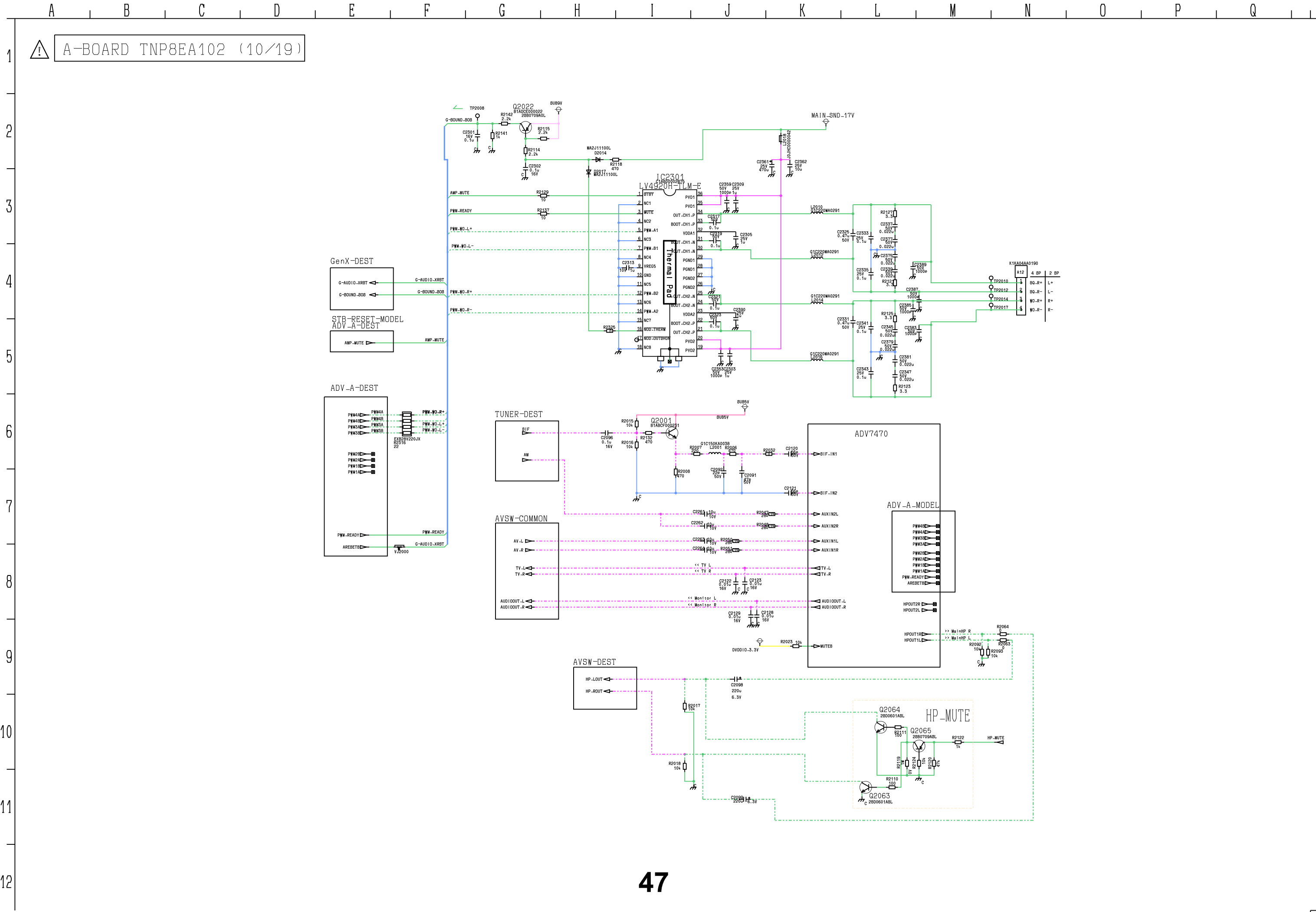
ADAV4622

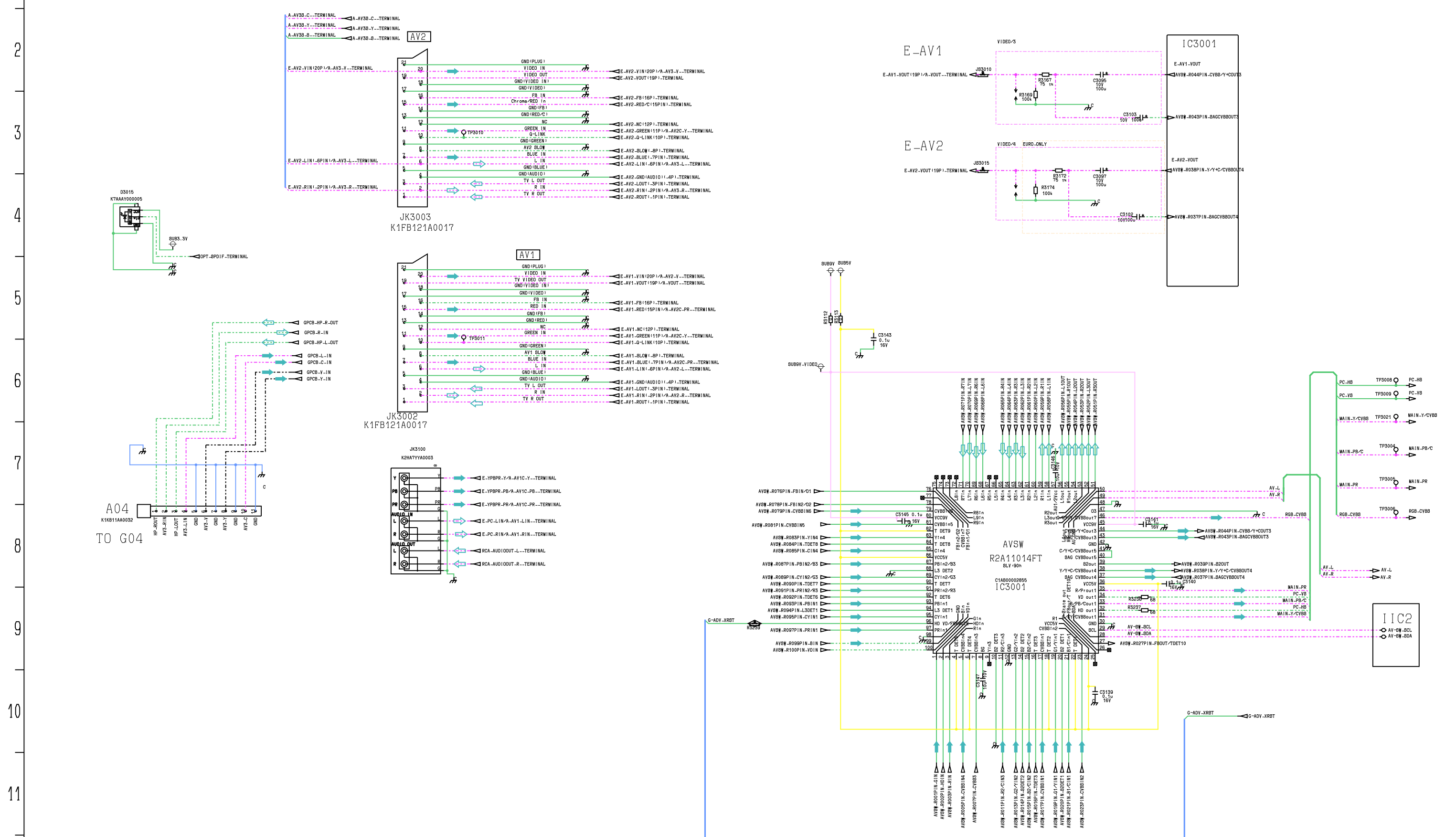




 A-BOARD TNP8EA102 (9/19)



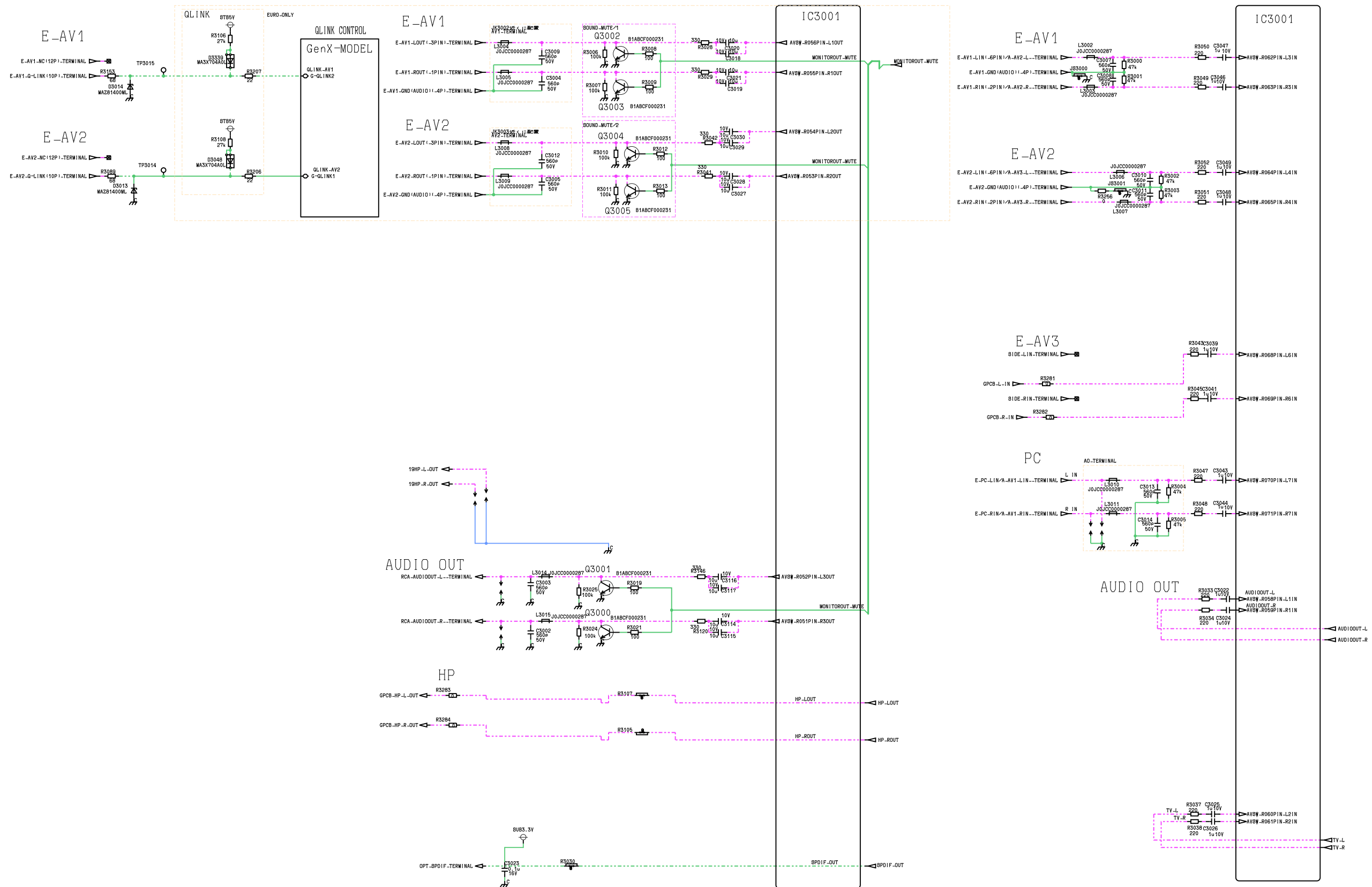




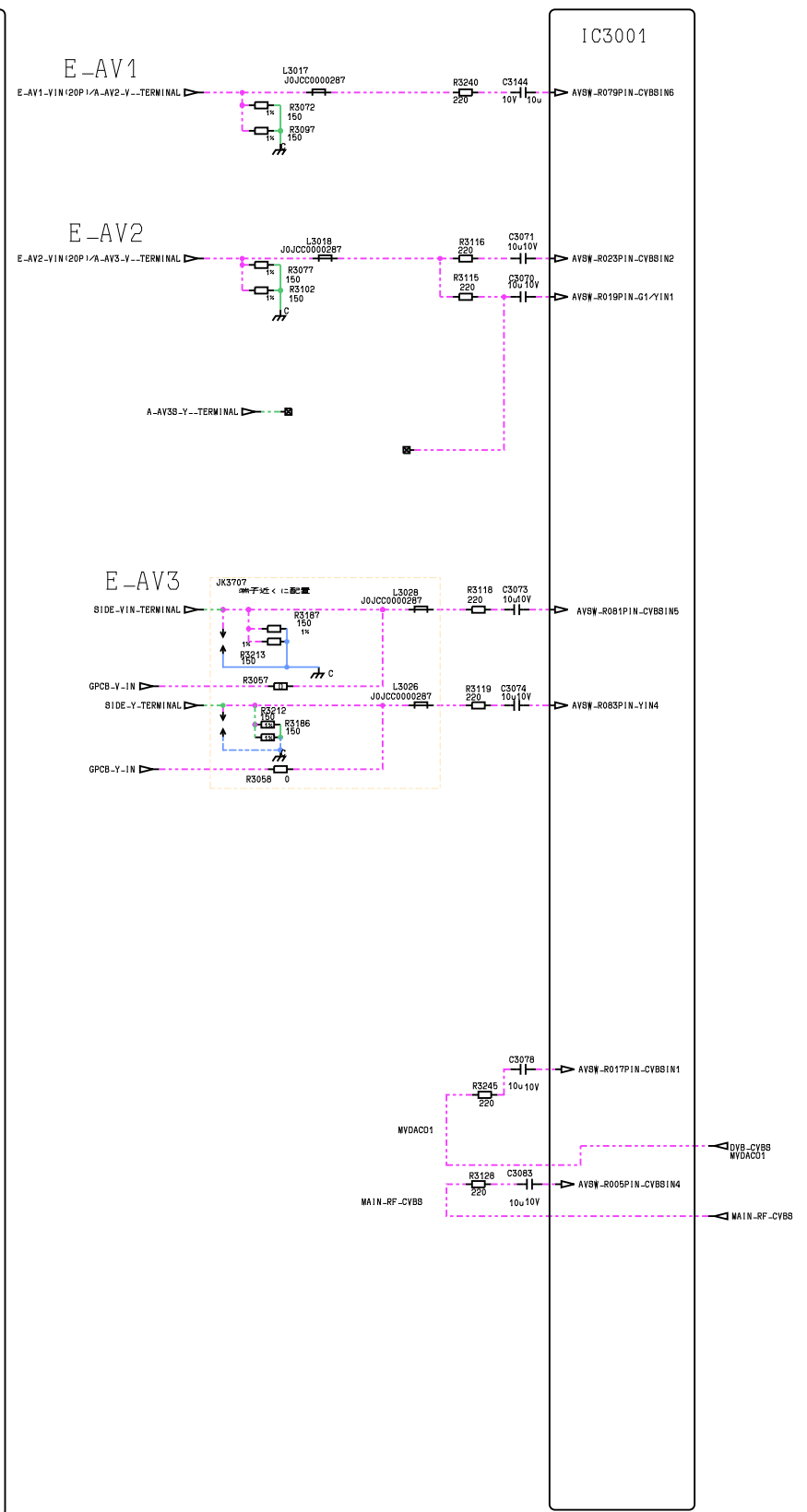
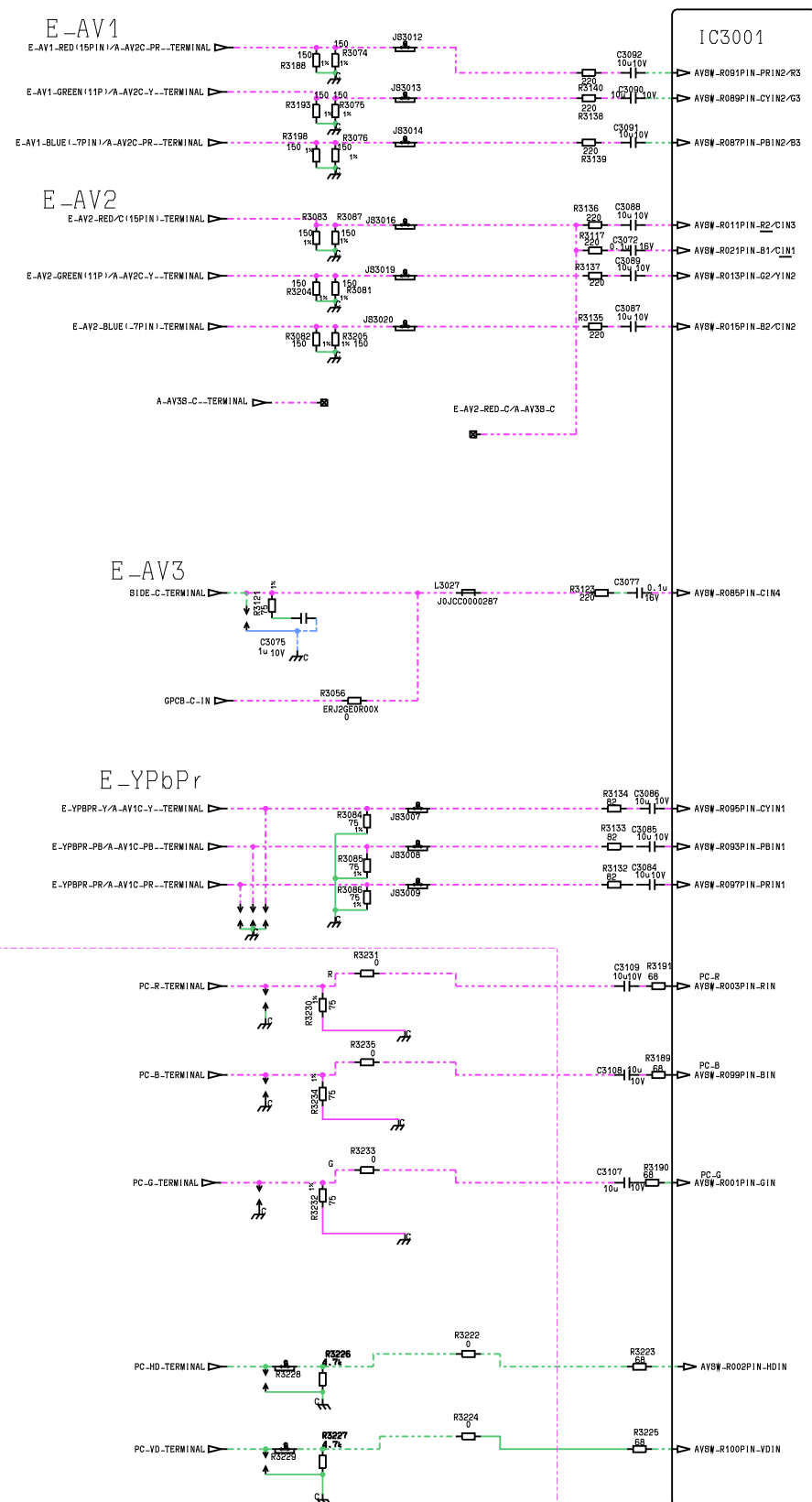
⚠ A-BOARD TNP8EA102 (12/19)

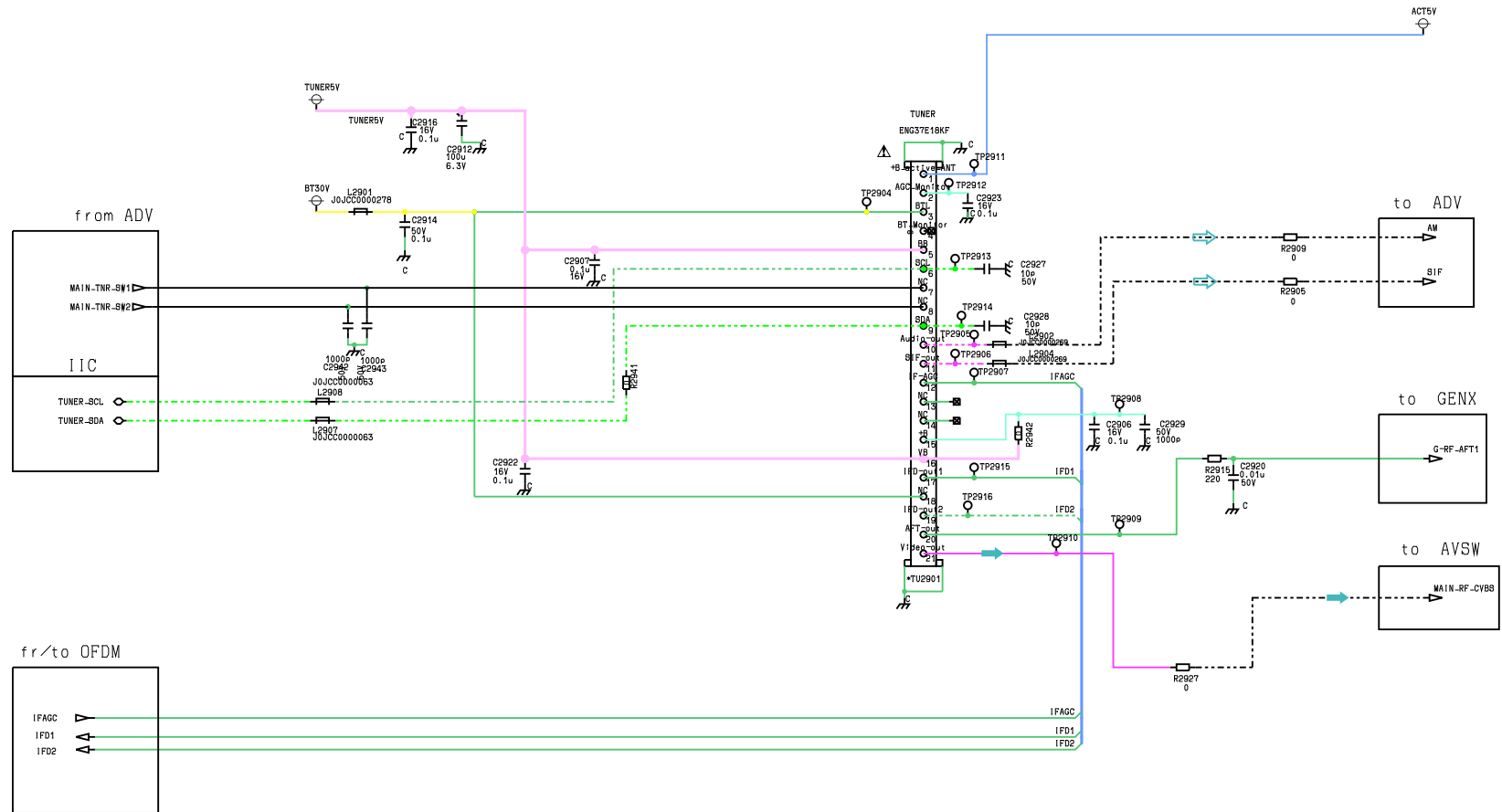
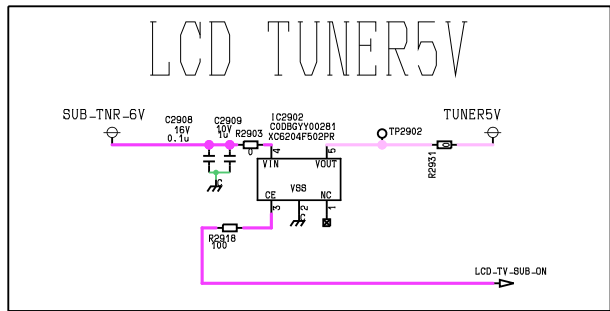
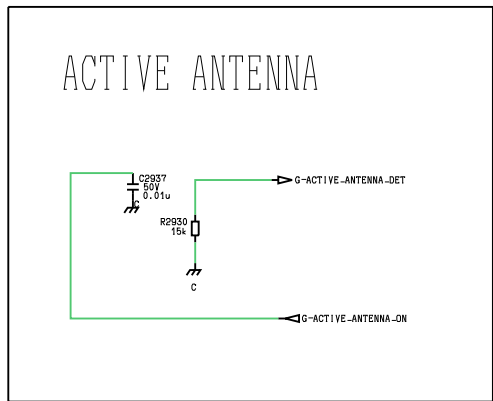
TERMINAL ETC

AUDIO
OUT



A-BOARD TNP8EA102 (13/19)



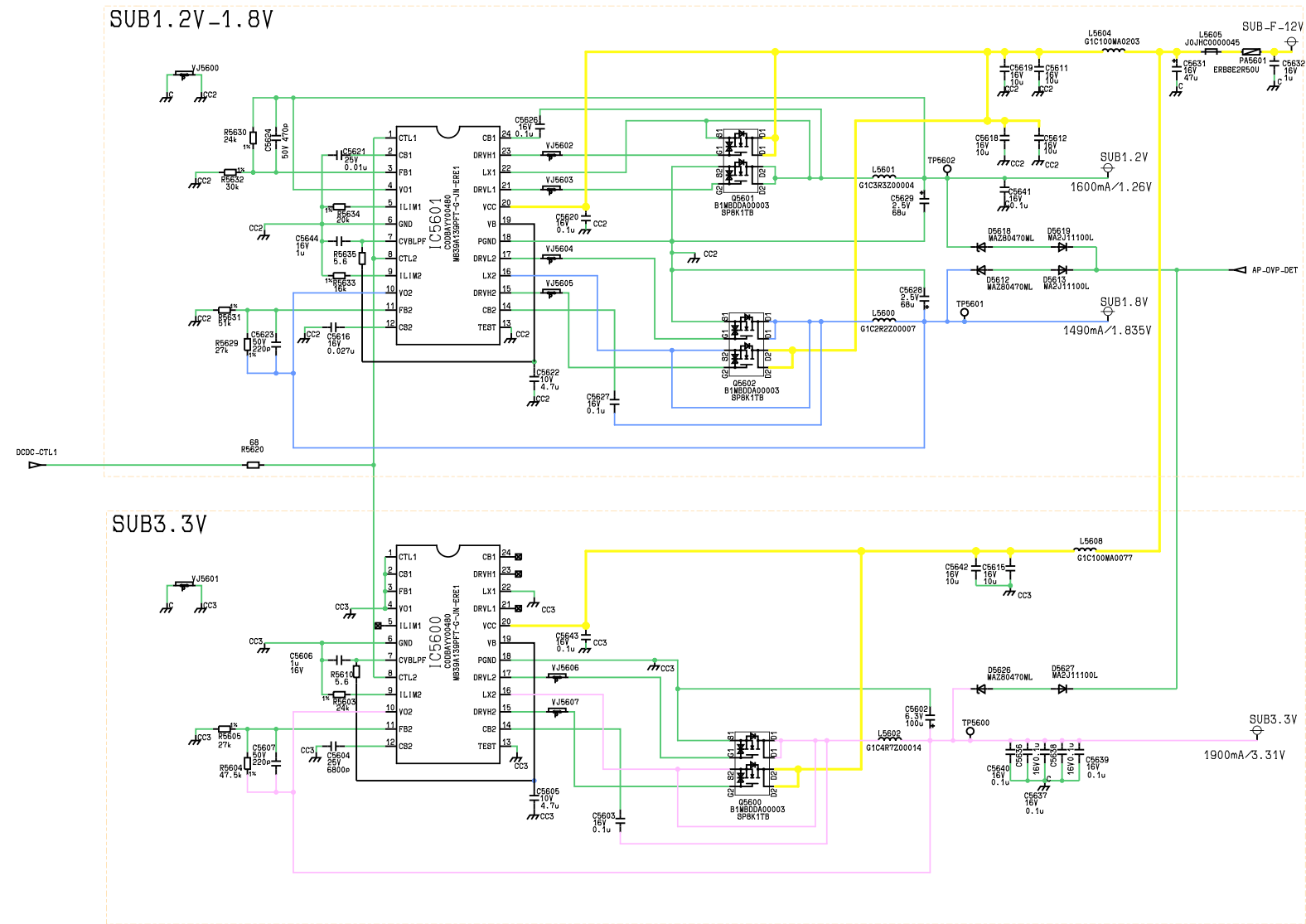


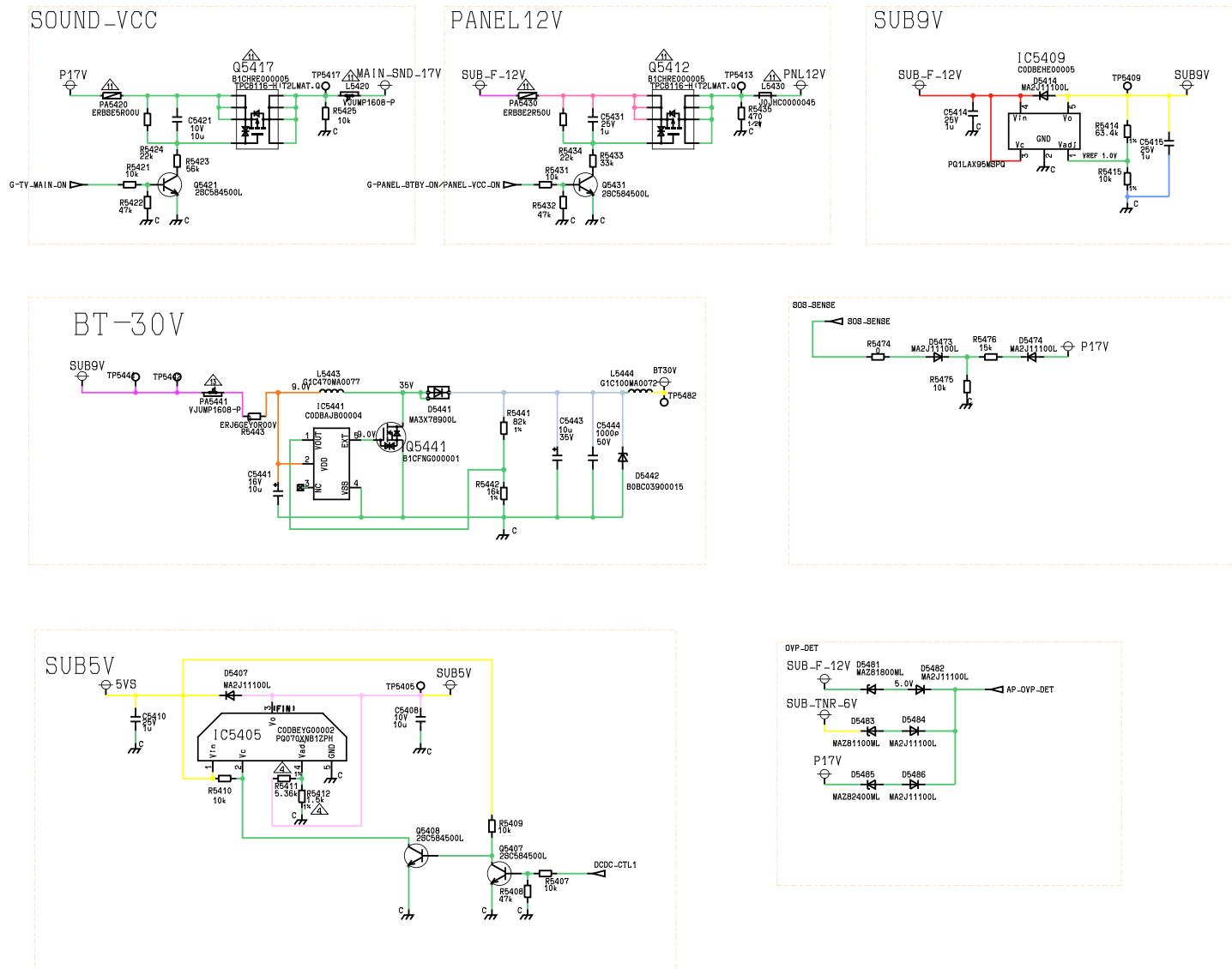
52

A-BOARD TNP8EA102 (16/19)



54

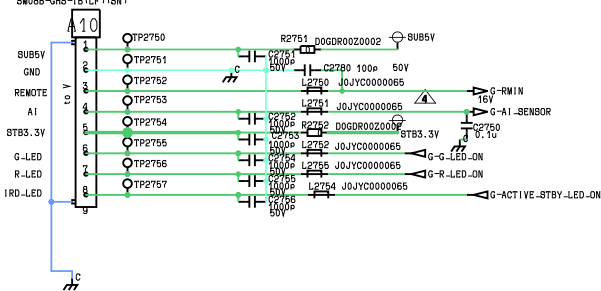




A-BOARD TNP8EA102 (19/19)

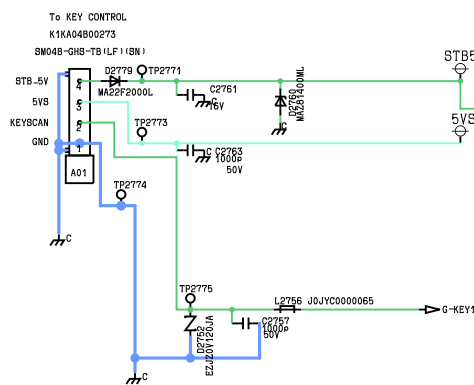
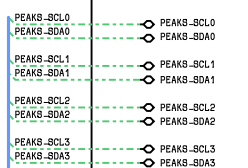
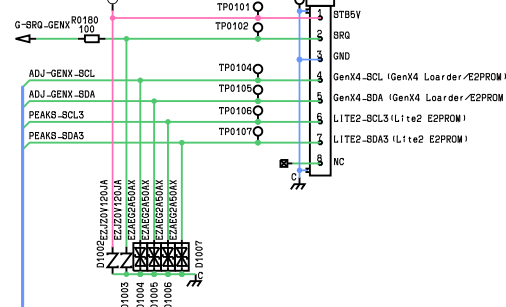
TO V10

K1KA08B00270
SM08B-GHS-TB (LF) (SN)



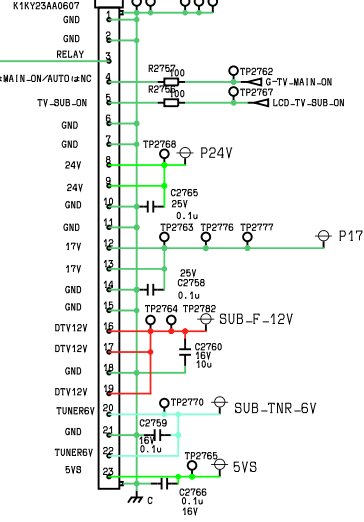
INV LED

STB5V
G-BRD-GENX
R0180
100



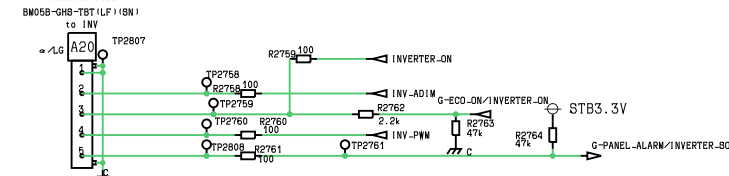
TO P2

150601123K3
K1KY23AA0607



to INV

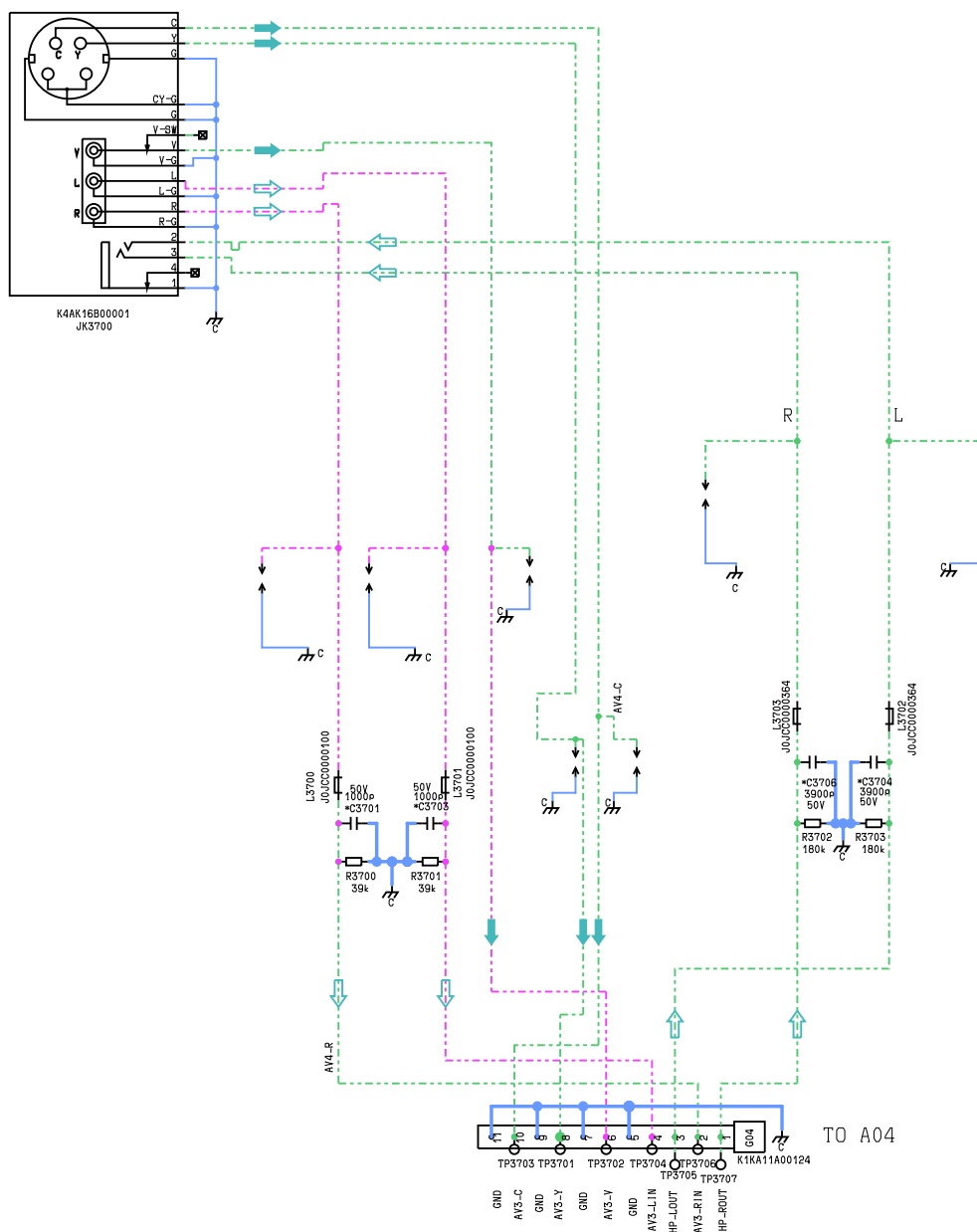
K1KA05A00466
BM05B-GHS-TBT (LF) (SN)







G-BOARD TNPA4850

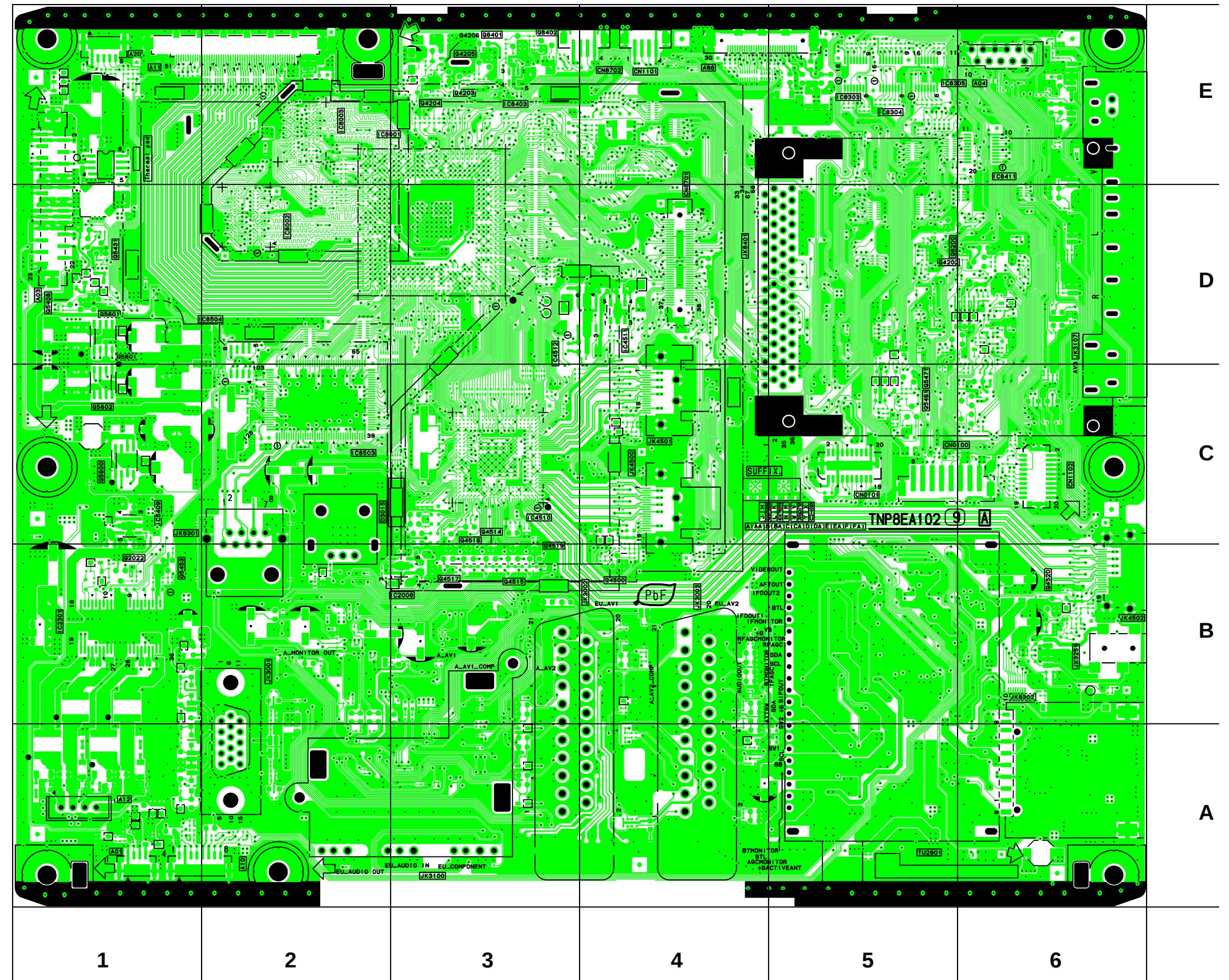




Conductor Views

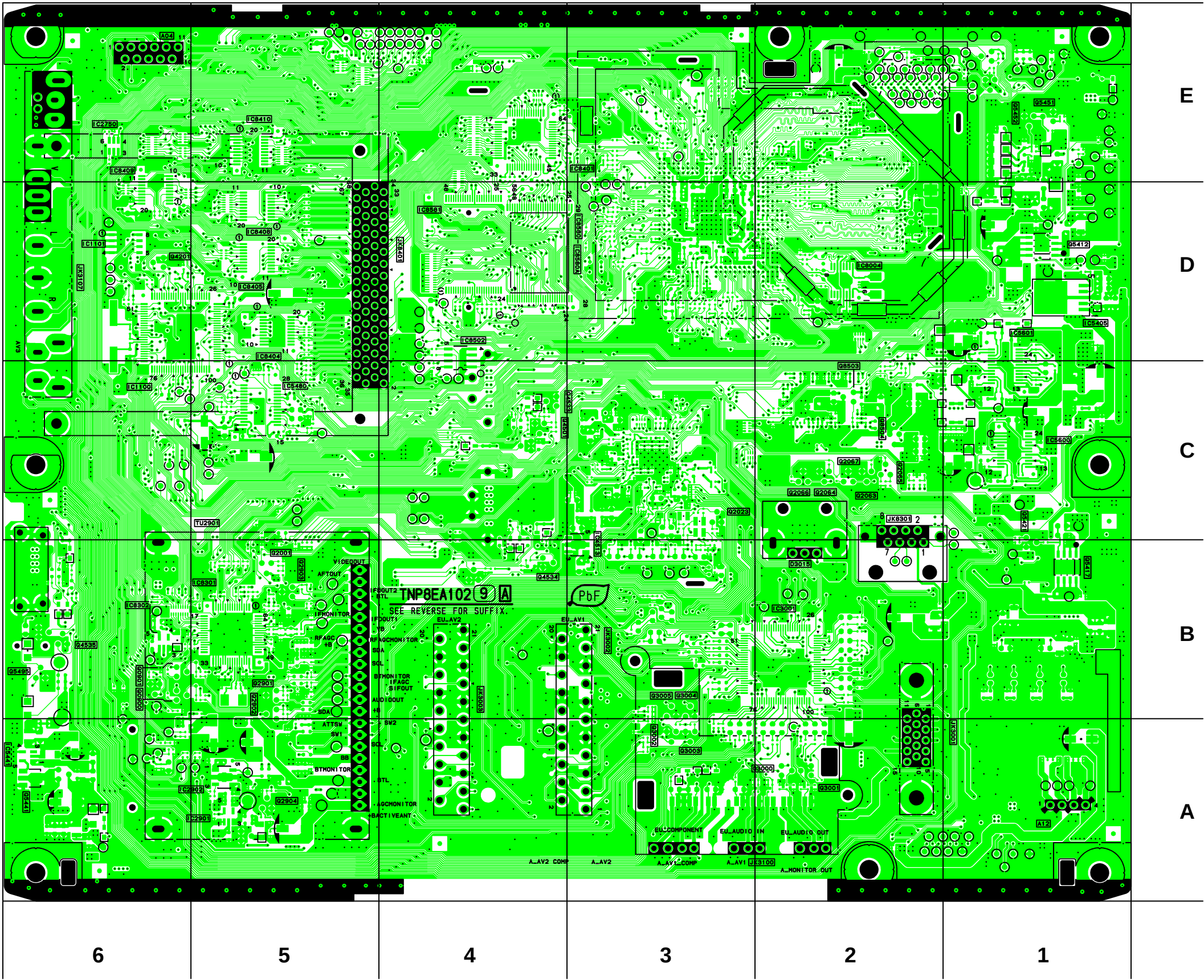
A-BOARD TNP8EA102 - TOP

IC'S		Q4500	4B
IC2008	3B	Q4514	3C
IC2301	1B	Q4515	3B
IC4510	3C	Q4516	3C
IC4511	4D	Q4517	3B
IC4512	3D	Q4519	3B
IC5409	1C	Q5407	1D
IC8001	3E	Q5408	1D
IC8002	2D	Q5431	1D
IC8003	2E	Q5453	1B
IC8403	3E	Q5461	5C
IC8411	6E	Q5600	1C
		Q5601	1D
TRAN'S		Q5602	1C
Q2022	1B	Q8200	5D
Q4202	5D	Q8401	3E
Q4203	3E	Q8402	3E
Q4204	3E		
Q4205	3E	DIODE'S	
Q4206	3E	D3015	2C



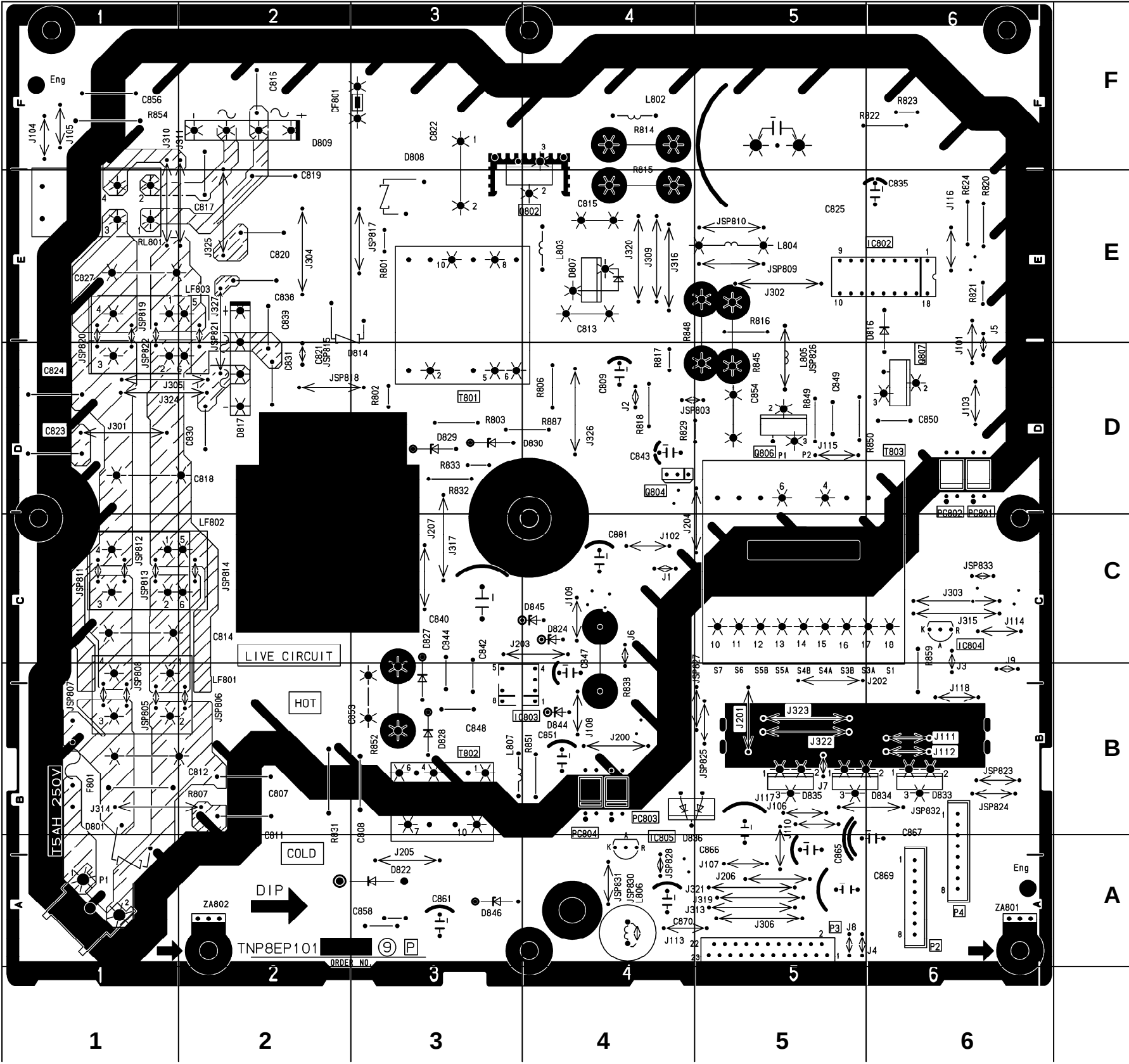
A-BOARD TNP8EA102 - BOTTOM

TRAN'S	IC'S
Q2001	5B IC1100 6C
Q2063	2C IC1101 6D
Q2064	2C IC2902 5A
Q2065	2C IC3001 2B
Q3000	2A IC4513 3B
Q3001	2A IC5405 1D
Q3002	3A IC5441 6B
Q3003	3A IC5480 5C
Q3004	3B IC5600 1C
Q3005	3B IC5601 1D
Q4201	6D IC8004 2D
Q4207	1E IC8301 5B
Q4501	4C IC8302 6B
Q4533	4C IC8401 4E
Q4534	4B IC8404 5D
Q4807	1E IC8405 5D
Q5412	1D IC8408 5D
Q5417	1B IC8409 6E
Q5421	1C IC8410 5E
Q5441	6A IC8502 4D
	IC8580 3D



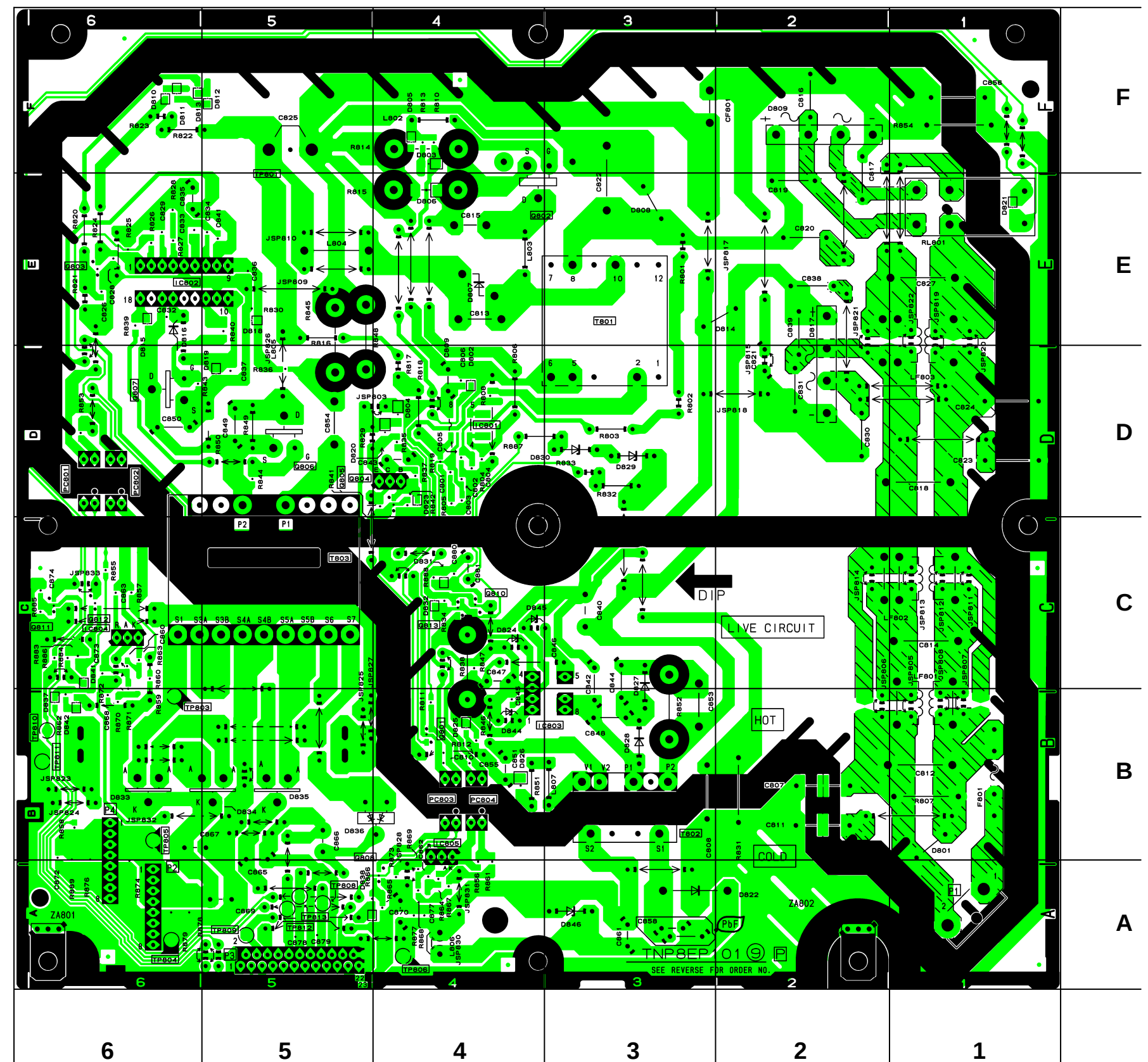
P-BOARD TNP8EP101 - TOP

IC'S		D809	2F
IC802	6E	D816	6E
IC803	3C	D817	2E
IC804	6C	D822	3A
IC805	4B	D824	4C
		D827	3C
TRAN'S		D828	3B
Q802	3F	D829	3D
Q804	4D	D830	3D
Q806	5D	D833	6D
Q807	6D	D834	5B
		D835	5B
DIODE'S		D844	4B
D801	1B	D845	4C
D807	4E	D846	3A
D808	3E		



P-BOARD TNP8EP101 - BOTTOM

IC'S		D805	4F
IC801	4D	D806	4F
		D820	4D
TRAN'S		D821	1E
Q801	4B	D823	4D
Q805	4D	D825	4B
Q808	4B	D826	4B
Q810	4C	D831	4C
Q811	6C	D832	4C
Q812	6C	D836	4B
Q813	4C	D837	6C
		D838	5A
DIODE'S		D841	6C
D803	4F	D842	6C



V-BOARD TNP8EV101 - TOP

IC'S	
RM2500	1A
TRAN'S	
Q2500	2A
Q2501	2A
Q2503	2A
Q2504	1A
DIODE'S	
D2500	1A
D2510	2A

